

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 22, 2003, 16:36:23 ; Search time 60.1442 Seconds
(without alignments)
6378.877 Million cell updates/sec

Title: US-09-380-276A-1
Perfect score: 1251
Sequence: 1 atggctttaaaagtctact.....agacgtccctccaggaagct 1251

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 1533381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

- 1: /cgn2_6/prodata/1/ina/5A_COMB.seq:*
- 2: /cgn2_6/prodata/1/ina/5B_COMB.seq:*
- 3: /cgn2_6/prodata/1/ina/6A_COMB.seq:*
- 4: /cgn2_6/prodata/1/ina/6B_COMB.seq:*
- 5: /cgn2_6/prodata/1/ina/PCTUS_COMB.seq:*
- 6: /cgn2_6/prodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	435.4	34.8	893	4	US-09-286-529-8
2	314	25.1	623	4	US-09-286-529-9
3	36.4	2.9	1601	1	US-08-722-001-7
4	36.4	2.9	1987	1	US-08-722-001-26
5	36.4	2.9	1997	1	US-08-722-001-27
6	36.4	2.9	2004	1	US-08-722-001-11
7	36.2	2.9	2485	1	US-08-424-424B-1
8	36.2	2.9	2485	5	PCT-US94-05363A-1
9	36	2.9	4136	4	US-09-103-875-2
10	35.6	2.8	1150	4	US-09-372-934-3
11	34.8	2.8	1639	1	US-08-334-698-5
12	34.8	2.8	1639	1	US-08-228-932-5
13	34.8	2.8	1639	1	US-08-468-939-5
14	34.8	2.8	1639	2	US-08-406-855A-5
15	34.8	2.8	1639	2	US-08-722-190-5
16	34.8	2.8	1639	3	US-08-244-354-5
17	34.8	2.8	1639	3	US-09-206-899-5
18	34.8	2.8	1639	4	US-09-444-783-5
19	34.8	2.8	1639	4	US-09-688-415-5
20	34.8	2.8	1639	5	PCT-US95-04203-5
21	34.6	2.8	5962	6	5386025-5
22	34.6	2.8	7218	1	US-08-232-463-14
23	33.8	2.7	4403765	4	US-09-103-840A-2
24	33.8	2.7	4411529	4	US-09-103-840A-1
25	33.6	2.7	800	2	US-08-416-603-11
26	33.4	2.7	4360	1	US-08-470-350B-1
27	33.2	2.7	703	4	US-09-280-116-175

C 28	2.6	1458	4	US-09-134-001C-989	Sequence 989, Appl
C 29	2.6	9472	1	US-08-325-547-9	Sequence 9, Appli
C 30	2.6	2230	1	US-08-200-512-1	Sequence 1, Appli
C 31	2.6	3786	4	US-08-961-527-182	Sequence 182, App
C 32	2.6	6822	4	US-09-426-998-3	Sequence 3, Appli
C 33	2.6	7741	4	US-09-426-998-3	Sequence 4, Appli
C 34	2.6	1593	2	US-08-524-828-2	Sequence 2, Appli
C 35	2.6	1593	2	US-08-975-114A-2	Sequence 2, Appli
C 36	2.6	1593	2	US-08-849-281A-2	Sequence 2, Appli
C 37	2.6	2247	2	US-08-524-828-1	Sequence 1, Appli
C 38	2.6	2247	2	US-08-975-114A-1	Sequence 1, Appli
C 39	2.6	2613	4	US-09-255-829-7	Sequence 7, Appli
C 40	2.6	2616	4	US-09-255-829-1	Sequence 1, Appli
C 41	2.6	2616	4	US-09-255-829-25	Sequence 25, Appli
C 42	2.6	2622	4	US-09-255-829-5	Sequence 5, Appli
C 43	2.6	2628	4	US-09-255-829-9	Sequence 9, Appli
C 44	2.6	2637	4	US-09-255-829-11	Sequence 11, Appli
C 45	2.6	2685	4	US-09-255-829-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1

US-09-286-529-8
; Sequence 8, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 893
; TYPE: DNA
; ORGANISM: human
US-09-286-529-8

Query Match 34.8%; Score 435.4; DB 4; Length 893;
Best Local Similarity 82.1%; Pred. No. 1.8e-125;
Matches 513; Conservative 0; Mismatches 111; Indels 1; Gaps 1;

Qy	1	ATGCTTTAAAGTGCTACTAGAACAGAGAAAACGTTTTTCTCTTTTACTCTTTTGTATTACTA	60
Db	55	ATGGCACTCAAGTCTTACCTCTACACAGGCGTGTCTTCTGCTGCAATCTCTCTCTA	114
Qy	61	GGCTATTTTGTCACTAAAGTGACTTTGTGAAACAGGAGACTGTAGACAGCAAGATTTCAGG	120
Db	115	CTCCACCTGGCATGTAAAGTGAGTTGGGAAACCGGAGATTGACGAGCAGCAAGATTCAAG	174
Qy	121	GATCGGTCGAAACTGTGTCTCCGCAACAGTGTCGCCAGCATGGAGTGTCTTAAG	180
Db	175	GATGATCTGAAACTGTGTCTCTGCAACAGTCCGACCTGGCATGGAGTGTCTCAAG	234
Qy	181	GAATGTGCTTCGGCTATGGGAGGATGCAAGTGTGTGACGTGCGCGCTGCACAGGTTTC	240
Db	235	GAATGTGCTTCGGCTATGGGAGGATGCAAGTGTGTGTCCTGCGCGCTGCACAGGTTTC	294
Qy	241	AAGGAGGACTGGGGTTCAGAAATGCAAGCCCTGTCTGGGACTGGGAGTGTGNAACGCG	300
Db	295	AAGGAGGACTGGGGTTCAGAAATGCAAGCCCTGTCTGGGACTGTGCGCTGTGNAACGCG	354
Qy	301	TTTCAGAGGCAAAATTTTCAGCCACCATGTATGTCATCTCGGGGACTGTGTGCCAGGA	360
Db	355	TTTCAGAGGCAAAATTTTCAGCCACCATGTATGTCATCTCGGGGACTGTGTGCCAGGA	414
Qy	361	TTTTTATAGGAACAGCAAACTTTGTCCGGCTTTCAAGACATGGAGTGTGTGCTTTGTGAGAC	420
Db	415	TTTTTACCGGAGACCAAACTGTTGTTTCAAGACATGGAGTGTGTGCTTTGTGCTGCGGAGAC	474

QY 421 CTTCTCTCTCTTACGAACCGCACCTGTGCGCAGCAAGGTCAACCTCGTGAAGATCCGCTCC 480
D 475 CCACCTCTCTCTTACGAACCGCACCTGTGCGCAGCAAGGTGAACCTGTGGAAGATCTCTCTCC 534
QY 481 ACGGCTCCAGCCCGGACACCGGCTGGCTGCGGTATCTGCGAGCGCTCTGCGCCACC 540
D 535 ACCGCTCCAGCCCGGACACCGGCTGGCTGCGGTATCTGCGAGCGCTCTGCGCCAG 594
QY 541 GTCCTGCTGGCCTGTCTATCTCTCTGTGTCTATCTATTTGAAGACAGAGTTTATGAGAG 600
D 595 GTGCTGCTG-CCTGCTATCTGTGTGTCTATCTACTGCAAGGAGGAGTTATGAGAG 653
QY 601 AAACCCAGCTGTCTCTGCGGTAC 625
D 654 AAACCCAGCTGTAAGCTCCATCCC 678

RESULT 2

US-09-286-529-9
; Sequence 9, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 623
; TYPE: DNA
; ORGANISM: human
US-09-286-529-9

Query Match 25.1%; Score 314; DB 4; Length 623;
Best Local Similarity 78.3%; Pred. No. 8.4e-88;
Matches 374; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

QY 1 ATGGCTTTAAAGTGTCTAGCAAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 60
D 116 ATGGCACTCAAGTCTCTACCTCTACACAGAGCGTCTCTTGGCTGCCATCTCTTCTTA 175
QY 61 GGCTATTGTCTGTAAGTGTCTGTAAGAGGAGCTGTAGACGCAAGAAATTCAGG 120
D 176 CTCACCTGGCATGTAAAGTGTGAGTTGCAAAACCGGAGATTGCAAGGAGCAAGAAATTCAG 235
QY 121 GATCGGTCTGGAACCTGTGTCTCCCTGCAACAGCTGTGGCCAGCATGGAGTTGTCTAAG 180
D 236 GATCGATCTGGAACCTGTGTCTCTGCAACAGCTGTGGACCTGGCATGGAGTTGTCTAAG 295
QY 181 GAATGTGGCTTCGGCTATGGGAGGATGCAAGTGTGTGACGTGCGCGGTGCAAGGTTTC 240
D 296 GAATGTGGCTTCGGCTATGGGAGGATGCAAGTGTGTGACGTGCGCGGTGCAAGGTTTC 355
QY 241 AAGGAGACTGGGGCTTCGAAATGCAAGCCCTGTCTGCACTGCGCAGTGTGTAACCCG 300
D 356 AAGGAGACTGGGGCTTCGAAATGCAAGCCCTGTCTGCACTGCGCAGTGTGTAACCCG 415
QY 301 TTTTCAAGGCAAAATGTTTTCAGCCACCAAGTGTGCGGACTGTCTGCGGAGGATC 360
D 416 TTTTCAAGGCAAAATGTTTTCAGCCACCAAGTGTGCGGACTGTCTGCGGAGGATC 475
QY 361 TTTTATAGGAGCAAGAACTGTGCGGCTTTCAAGACATGGAGTGTGTGCTTGTGAGAC 420
D 476 TTTTACCGGAAGCAAACTGTGTTTTCAGACATGGAGTGTGTGCGCTCGCGAGAC 535
QY 421 CTTCTCTCTCTTACGAACCGCACCTGTGCGCAGCAAGGTCAACCTCGTGAAGATC 474
D 536 CCACCTCTCTCTTACGAACCGCACCTGTGAGTGTGTGCGCAAGTGTGCGAGCAGAC 589

RESULT 3

US-08-722-001-7
; Sequence 7, Application US/08722001
; Patent No. 5760054
; GENERAL INFORMATION:
; APPLICANT: Thompson, Wayne J.
; APPLICANT: Huff, Joel R.
; APPLICANT: Nerenberg, Jennie B.
; APPLICANT: Lee, Hee-Yoon
; APPLICANT: Bell, Ian M.
; TITLE OF INVENTION: ALPHA1C ADRENERGIC RECEPTOR ANTAGONISTS
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: 126 Lincoln Avenue
; CITY: Rahway
; STATE: New Jersey
; COUNTRY: United States of America
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/722,001
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/229,276
; FILING DATE: 14-APR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Appollina, Mary A.
; REGISTRATION NUMBER: 34,087
; REFERENCE/DOCKET NUMBER: 19169Y
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908)594-3462
; TELEFAX: (908)594-4720
; TELEX: 138825

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1601 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-722-001-7

Query Match 2.9%; Score 36.4; DB 1; Length 1601;
Best Local Similarity 52.7%; Pred. No. 0.34; Mismatches 0; Gaps 0;
Matches 79; Conservative 0; Indels 71; Indels 0; Gaps 0;

QY 474 CCGCTCCACGGCTCCAGCCACGCGGACACGCGCTGGCTGCGTTATCTGCGCGCTCT 533
D 1107 CGAGGACGAGACCATCTGCCAGATCAACGAGGAGCGGGCTCTCTCGCTCT 1166
QY 534 GCGCACCGTCTGCTGGCGCTCTCATCTCTGCTGCTATCTATTGTAAGACAGTTTAT 593
D 1167 GCGCTCTCTTACCTTGGCTCTGCGCATCATCTGCTGCTATGTAAGTCTGCTGCT 1226
QY 594 GGAGAGAAACCCAGCTGTCTCGGTC 623
D 1227 GCGCAAGAGGAGAGCGGGGCTCAAGTC 1256

RESULT 4

US-08-722-001-26
; Sequence 26, Application US/08722001
; Patent No. 5760054
; GENERAL INFORMATION:
; APPLICANT: Thompson, Wayne J.
; APPLICANT: Huff, Joel R.


```
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/722,001
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/229,276
; FILING DATE: 14-APR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Appollina, Mary A.
; REGISTRATION NUMBER: 34,087
; REFERENCE/DOCKET NUMBER: 19169Y
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908)594-3462
; TELEFAX: (908)594-4720
; TELEX: 138825
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2004 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-722-001-11

Query Match      2.9%; Score 36.4; DB 1; Length 2004;
Best Local Similarity 52.7%; Pred. No. 0.39;
Matches 79; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

QY 474 CCGCTCCAGCGCTCCAGCCACGGGCGCTGCGGTATCTGCGAGCGCTCT 533
DB 1107 CAGGACGAGACATCTGCCAGATCAACGAGGCGGCTACGTGCTCTTCGCGCTCT 1166
QY 534 GGCCACCGCTGCTGCGGCTCTCATCTCTGTGTCTATCTATTTGAAGACAGTTAT 593
DB 1167 GGCTCTTCTACCTGCTCTGCGCATCATCTGTGTCTGCTGCTGCTGCTGCTGCT 1226
QY 594 GGAGAGAAACCGAGTGTCTCTGCGGTC 623
DB 1227 GGCAAGAGGAGAGCGCGGCTCAAGTC 1256

RESULT 7
US-08-424-424B-1
; Sequence 1, Application US/08424424B
; Patent No. 5759854
; GENERAL INFORMATION:
; APPLICANT: LI, ET AL.
; TITLE OF INVENTION: Neurotransmitter Transporter
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESSES:
; ADDRESSES: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESS: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/424,424B
; FILING DATE: APRIL 21, 1995
; CLASSIFICATION: 435

;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/722,001
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/229,276
; FILING DATE: 14-APR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Appollina, Mary A.
; REGISTRATION NUMBER: 34,087
; REFERENCE/DOCKET NUMBER: 19169Y
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908)594-3462
; TELEFAX: (908)594-4720
; TELEX: 138825
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2004 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-722-001-11

Query Match      2.9%; Score 36.4; DB 1; Length 2485;
Best Local Similarity 56.2%; Pred. No. 0.51;
Matches 68; Conservative 0; Mismatches 53; Indels 0; Gaps 0;

QY 453 CAAGGTCAACCTCGTGAAGATCGCTCCAGCGCTCCAGCCACGGGACACGGCGCTGCG 512
DB 2023 CAGCATCATCCAGCTGGGGGTACGCCCCCGGCTTACAGCGCTGATCAAGGAGGCGC 2082
QY 513 TGGCGTTATCTGCAGCGCTCTGGCCACCGTCTGTGTGCGGCTGTGTCTCTGTGTGTCAT 572
DB 2083 TGCCGAGCGCTACCTGTATTTCCCAACTGGCCCATGCACTCTCTGATCACCTCATCGT 2142
QY 573 C 573
DB 2143 C 2143

RESULT 8
PCT-US94-05363A-1
; Sequence 1, Application PC/TUS9405363A
; GENERAL INFORMATION:
; APPLICANT: LI, ET AL.
; TITLE OF INVENTION: Neurotransmitter Transporter
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESSES:
; ADDRESSES: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESS: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05363A
; FILING DATE: SUBMITTED HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-118
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2486 BASE PAIRS
; US-08-424-424B-1

;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05363
; FILING DATE: MAY 25, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-308
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2485 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
; MOLECULE TYPE: cdna
; US-08-424-424B-1
```



```
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 126..1523
; OTHER INFORMATION:
;
US-08-334-698-5

Query Match          2.8%; Score 34.8; DB 1; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.1;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 474 CGCGTCCAGCGCTCCAGCCACGGGACACGGCGCTGCGTGTATCTGACGCGCTCT 533
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
635 CGAGGACGAGACCATCTGCCAGATCAACGAGGAGCGGGCTACGTGCTCTTCTCAGCGCT 694
QY 534 GGCACCGCTCTGCTGGCCCTGCTCATCTCTGTGTCATCTATTGTAAGACAGCTTTAT 593
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
695 GGGTCTCTTCTACCTGCTCTGGCCATCATCTGTCATGTAAGTACTGCCGCGTCTACGTGT 754
QY 594 GGAGAAGAAACCCAGCTGCTCTCGGTC 623
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
755 GCCAAGAGGAGAGCGGGGCTCAAGTC 784

RESULT 13
US-08-468-939-5
; Sequence 5, Application US/08468939
; Patent No. 5714381
; GENERAL INFORMATION:
; APPLICANT: Jonathan A. Bard et al.
; TITLE OF INVENTION: DNA Encoding Human Alpha 1 Adrenergic
; TITLE OF INVENTION: Receptors and Uses Thereof
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: COOPER & DUNHAM LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,939
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 41337-1B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0526
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: N
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 126..1523
; OTHER INFORMATION:
;
US-08-468-939-5

Query Match          2.8%; Score 34.8; DB 1; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.1;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 474 CGCGTCCAGCGCTCCAGCCACGGGACACGGCGCTGCGTGTATCTGACGCGCTCT 533
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
635 CGAGGACGAGACCATCTGCCAGATCAACGAGGAGCGGGCTACGTGCTCTTCTCAGCGCT 694
QY 534 GGCACCGCTCTGCTGGCCCTGCTCATCTCTGTGTCATCTATTGTAAGACAGCTTTAT 593
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
695 GGGTCTCTTCTACCTGCTCTGGCCATCATCTGTCATGTAAGTACTGCCGCGTCTACGTGT 754
QY 594 GGAGAAGAAACCCAGCTGCTCTCGGTC 623
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
755 GCCAAGAGGAGAGCGGGGCTCAAGTC 784

RESULT 12
US-08-228-932-5
; Sequence 5, Application US/08228932
; Patent No. 5578611
; GENERAL INFORMATION:
; APPLICANT: Charles Gluchowski, Carlos C. Forray, George Chiu,
; APPLICANT: Theresa A. Branche, John M. Wetzel and Paul R. Hartig
; TITLE OF INVENTION: USE OF ALPHA-1C SPECIFIC COMPOUNDS TO TREAT BENIGN
; TITLE OF INVENTION: PROSTATIC HYPERPLASIA
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: COOPER & DUNHAM
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/228,932
; FILING DATE: 13-APR-1994
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 41978-B/JPW/TEP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 977-9550
; TELEFAX: (212) 664-0525
; TELEX: (212) 422523 COOP UI
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
```

Best Local Similarity 52.0%; Pred. No. 1.1;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 474 CGCGTCCACGGCTCCAGCCACGGGACACGGCGTGGCTGCGGTATCTCGAGCGCTCT 533
DB 635 CGAGGACGAGACCATCTCCAGATCAACGAGAGCCGGGCTACGTGCTTCTTCAGCGCT 694
QY 534 GGCCACCGTCTGCTGGCCCTGCTCATCTCTGTGTCTATCTATTGTAAGACAGAGTTTAT 593
DB 695 GGGCTCTTCTACCTGCTCTGGCCATCATCTGCTCATGTACTGCGCGCTCTACGTGGT 754
QY 594 GGAGAGAAACCCAGCTGCTCTCGGTC 623
DB 755 GGCCAGAGGAGAGCGCGGCTCAAGTC 784

RESULT 14

US-08-406-855A-5
; Sequence 5, Application US/08406855A
; Patent No. 5861309
; GENERAL INFORMATION:
; APPLICANT: Jonathan A. Bard et al.
; TITLE OF INVENTION: DNA Encoding Human Alpha 1 Adrenergic
; TITLE OF INVENTION: Receptors and Uses Thereof
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/406.855A
; FILING DATE: 21-AUG-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 41337-A-PCT-US/JPW/KDB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0526
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 126..1523
; OTHER INFORMATION:
US-08-406-855A-5

Query Match 2.8%; Score 34.8; DB 2; Length 1639;

Best Local Similarity 52.0%; Pred. No. 1.1;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 474 CGCGTCCACGGCTCCAGCCACGGGACACGGCGTGGCTGCGGTATCTCGAGCGCTCT 533
DB 635 CGAGGACGAGACCATCTGCGAGATCAACGAGAGCCGGGCTACGTGCTTCTTCAGCGCT 694
QY 534 GGCCACCGTCTGCTGGCCCTGCTCATCTCTGTGTCTATCTATTGTAAGACAGAGTTTAT 593

DB 695 GGGCTCTTCTACCTGCTCTGGCCATCATCTGCTGCTCATGTACTGCGCGCTCTACGTGGT 754
QY 594 GGAGAGAAACCCAGCTGCTCTCGGTC 623
DB 755 GGCCAGAGGAGAGCGCGGCTCAAGTC 784

RESULT 15

US-08-722-190-5
; Sequence 5, Application US/08722190
; Patent No. 5990128
; GENERAL INFORMATION:
; APPLICANT: Charles Gluchowski, Carlos C. Porray, George
; APPLICANT: Chiu, Theresa A. Branchek, John M. Wetzel and Paul R. Hartig
; TITLE OF INVENTION: USE OF ALPHA-1C SPECIFIC COMPOUNDS TO
; TITLE OF INVENTION: TREAT BENIGN PROSTATIC HYPERPLASIA
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: COOPER & DUNHAM LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/722.190
; FILING DATE: 4-APR-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 41878-D-PCT/JPW/AGL
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0525
; TELEX:
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1639 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: N
; ANTI-SENSE: N
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 126..1523
; OTHER INFORMATION:
US-08-722-190-5

Query Match 2.8%; Score 34.8; DB 2; Length 1639;

Best Local Similarity 52.0%; Pred. No. 1.1;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 474 CGCGTCCACGGCTCCAGCCACGGGACACGGCGTGGCTGCGGTATCTCGAGCGCTCT 533
DB 635 CGAGGACGAGACCATCTGCGAGATCAACGAGAGCCGGGCTACGTGCTTCTTCAGCGCT 694
QY 534 GGCCACCGTCTGCTGGCCCTGCTCATCTCTGTGTCTATCTATTGTAAGACAGAGTTTAT 593
DB 695 GGGCTCTTCTACCTGCTCTGGCCATCATCTGCTCATGTACTGCGCGCTCTACGTGGT 754
QY 594 GGAGAGAAACCCAGCTGCTCTCGGTC 623
DB 755 GGCCAGAGGAGAGCGCGGCTCAAGTC 784

Search completed: June 22, 2003, 21:32:31
Job time : 69.1442 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 22, 2003, 21:17:37 ; Search time 187.431 Seconds
(without alignments)

9794.263 Million cell updates/sec

Title: US-09-380-276A-1

Perfect score: 1251

Sequence: 1 atgcttttaaaagtgtact.....agacgtccctccaggaagct 1251

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1042519 seqs, 733713590 residues

Total number of hits satisfying chosen parameters: 2085038

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
- 10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1247.8	99.7	1660	10	US-09-780-532-1
2	1244.8	99.5	1325	10	US-09-780-532-3
3	1244.8	99.5	1502	9	US-10-114-893-120
4	1244.6	99.5	2870	9	US-10-174-590-473
5	1244.6	99.5	2870	9	US-10-176-758-473
6	1244.6	99.5	2870	9	US-10-175-737-473
7	1244.6	99.5	2870	9	US-10-173-706-473
8	1244.6	99.5	2870	9	US-10-175-738-473
9	1244.6	99.5	2870	9	US-10-175-752-473
10	1244.6	99.5	2870	9	US-10-176-482-473
11	1244.6	99.5	2870	9	US-10-176-757-473
12	1244.6	99.5	2870	9	US-10-176-913-473
13	1244.6	99.5	2870	9	US-10-180-552-473
14	1244.6	99.5	2870	9	US-10-180-557-473
15	1244.6	99.5	2870	9	US-10-173-700-473
16	1244.6	99.5	2870	9	US-10-174-572-473
17	1244.6	99.5	2870	9	US-10-174-579-473
18	1244.6	99.5	2870	9	US-10-174-582-473
19	1244.6	99.5	2870	9	US-10-174-588-473

20	1244.6	99.5	2870	9	US-10-175-739-473	Sequence 473, App
21	1244.6	99.5	2870	9	US-10-175-740-473	Sequence 473, App
22	1244.6	99.5	2870	9	US-10-175-743-473	Sequence 473, App
23	1244.6	99.5	2870	9	US-10-176-488-473	Sequence 473, App
24	1244.6	99.5	2870	9	US-10-176-492-473	Sequence 473, App
25	1244.6	99.5	2870	9	US-10-176-747-473	Sequence 473, App
26	1244.6	99.5	2870	9	US-10-176-750-473	Sequence 473, App
27	1244.6	99.5	2870	9	US-10-176-985-473	Sequence 473, App
28	1244.6	99.5	2870	9	US-10-176-987-473	Sequence 473, App
29	1244.6	99.5	2870	9	US-10-176-991-473	Sequence 473, App
30	1244.6	99.5	2870	9	US-10-176-992-473	Sequence 473, App
31	1244.6	99.5	2870	9	US-10-176-993-473	Sequence 473, App
32	1244.6	99.5	2870	9	US-10-184-658-473	Sequence 473, App
33	1244.6	99.5	2870	9	US-10-227-884-219	Sequence 219, App
34	1244.6	99.5	2870	9	US-10-173-695-473	Sequence 473, App
35	1244.6	99.5	2870	9	US-10-173-697-473	Sequence 473, App
36	1244.6	99.5	2870	9	US-10-173-705-473	Sequence 473, App
37	1244.6	99.5	2870	9	US-10-174-576-473	Sequence 473, App
38	1244.6	99.5	2870	9	US-10-174-585-473	Sequence 473, App
39	1244.6	99.5	2870	9	US-10-174-586-473	Sequence 473, App
40	1244.6	99.5	2870	9	US-10-175-747-473	Sequence 473, App
41	1244.6	99.5	2870	9	US-10-176-481-473	Sequence 473, App
42	1244.6	99.5	2870	9	US-10-176-485-473	Sequence 473, App
43	1244.6	99.5	2870	9	US-10-176-487-473	Sequence 473, App
44	1244.6	99.5	2870	9	US-10-176-493-473	Sequence 473, App
45	1244.6	99.5	2870	9	US-10-176-756-473	Sequence 473, App

ALIGNMENTS

RESULT 1

US-09-780-532-1
; Sequence 1, Application US/09780532
; Patent No. US2002006896A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1660
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1251)
US-09-780-532-1

Query Match 99.7%; Score 1247.8; DB 10; Length 1660;

Best Local Similarity 99.8%; Pred.No. 0;

Mismatches 1249; Conservative 0; Indels 2; Gaps 0;

Qy	1	ATGCTTTTAAAGTGCTACTAGAACAGAGAAAACGTTTTTCACTCTTTTAGTATTACTA	60
Db	1	ATGCTTTTAAAGTGCTACTAGAACAGAGAAAACGTTTTTCACTCTTTTAGTATTACTA	60
Qy	61	GGCTATTGTTCATGTAAGTGACTTTGTGAACAGAGACTGTAGACAGCAAGAAATTCAGG	120
Db	61	GGCTATTGTTCATGTAAGTGACTTTGTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGG	120
Qy	121	GATCGGCTGGAAGTGTGTTCCCTGCAACAGTGTGGCCAGGCATGGAGTTCCTTAAG	180
Db	121	GATCGGCTGGAAGTGTGTTCCCTGCAACAGTGTGGCCAGGCATGGAGTTCCTTAAG	180

```
QY 181 GAATGTGGCTTCGGCTATATGGGAGAGATGACAGAGTGTGTGACGTGCGCGCTGCACAGGTTTC 240
Db 181 GAAATGTGGCTTCGGCTATATGGGAGAGATGACAGAGTGTGTGACGTGCGCGCTGCACAGGTTTC 240
QY 241 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTCTGGAAGTGGAGTGGTGAACCGC 300
Db 241 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTCTGGAAGTGGAGTGGTGAACCGC 300
QY 301 TTTTCAAGAGGCAAAATGTTTCAAGCCACAGTGTATGTCATCTGCGGGGACTGCTTGCAGGA 360
Db 301 TTTTCAAGAGGCAAAATGTTTCAAGCCACAGTGTATGTCATCTGCGGGGACTGCTTGCAGGA 360
QY 361 TTTTATAGAGAGCAAACTTGTGGCTTTTCAAGACATGAGTGTGTGCTTGTGAGAGAC 420
Db 361 TTTTATAGAGAGCAAACTTGTGGCTTTTCAAGACATGAGTGTGTGCTTGTGAGAGAC 420
QY 421 CCTCTCTCTTACGAACCGCACTGTGCCAGCAAGGTCAACTCTGTGAAGATCGCGTCC 480
Db 421 CCTCTCTCTTACGAACCGCACTGTGCCAGCAAGGTCAACTCTGTGAAGATCGCGTCC 480
QY 481 ACGGCTCTCAGCCCAAGGACACGGCGCTGGCTGCGCTTATCTGCAGCGCTCTGCGCCACC 540
Db 481 ACGGCTCTCAGCCCAAGGACACGGCGCTGGCTGCGCTTATCTGCAGCGCTCTGCGCCACC 540
QY 541 GTCTGTGCGCCCTGCTCATCTCTGTGTGTCATCTATTTGAAGACAGAGTTTATGAGAGAG 600
Db 541 GTCTGTGCGCCCTGCTCATCTCTGTGTGTCATCTATTTGAAGACAGAGTTTATGAGAGAG 600
QY 601 AAACCCAGCTGTCTCTGCGGTACAGGACATTTAGTACCAAGGCTCAAGTGTGCGTGT 660
Db 601 AAACCCAGCTGTCTCTGCGGTACAGGACATTTAGTACCAAGGCTCAAGTGTGCGTGT 660
QY 661 CTTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCCTGTGCGAGTGCAGCGCTGAC 720
Db 661 CTTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCCTGTGCGAGTGCAGCGCTGAC 720
QY 721 TCAGTGCAGACCTGCGGCGGTGCTGCTCCATCCATGCTGTGAGAGGCGCTGC 780
Db 721 TCAGTGCAGACCTGCGGCGGTGCTGCTCCATCCATGCTGTGAGAGGCGCTGC 780
QY 781 AGCCCAACCCGCGCACTCTGCTGTGGGTGCAATCTGCAGCAGTCTTCCAGGCAAGA 840
Db 781 AGCCCAACCCGCGCACTCTGCTGTGGGTGCAATCTGCAGCAGTCTTCCAGGCAAGA 840
QY 841 AACGAGGCGCCAGCGGGGAGATGTCGCGACTTTCTTCGGATCCTCAGCGAGTCCATC 900
Db 841 AACGAGGCGCCAGCGGGGAGATGTCGCGACTTTCTTCGGATCCTCAGCGAGTCCATC 900
QY 901 TGTGGGAGTTTTCAGATGCTGCGCTCTGATGCAAGATCCATGCGGTGGTGAACAATC 960
Db 901 TGTGGGAGTTTTCAGATGCTGCGCTCTGATGCAAGATCCATGCGGTGGTGAACAATC 960
QY 961 TCTTTTGTGACTTTATCTCAACTCTGAGAGAGACATTTCTCTCAATCCAGAA 1020
Db 961 TCTTTTGTGACTTTATCTCAACTCTGAGAGAGACATTTCTCTCAATCCAGAA 1020
QY 1021 CTTGAAAGCTCAAGCTTTTGGATTCAAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1080
Db 1021 CTTGAAAGCTCAAGCTTTTGGATTCAAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1080
QY 1081 CAGTTCAGTCTCATCTGAAACTTACAGAGAGACATTTCTCTAGATATTAACAAC 1140
Db 1081 CAGTTCAGTCTCATCTGAAACTTACAGAGAGACATTTCTCTAGATATTAACAAC 1140
QY 1141 ACAGTGTAGATCAGATCAACTCAGGATGCACTTAACATATCAGAGAGCCAGCTAGATCAG 1200
Db 1141 ACAGTGTAGATCAGATCAACTCAGGATGCACTTAACATATCAGAGAGCCAGCTAGATCAG 1200
QY 1201 GAGAGTGGCGCTTATCATCCACCAGCCACTCAGAGCGTCCCTCCAGGAAGCT 1251
Db 1201 GAGAGTGGCGCTTATCATCCACCAGCCACTCAGAGCGTCCCTCCAGGAAGCT 1251
```

```
RESULT 2
US-09-780-532-3
; Sequence 3, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1325
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1269)
US-09-780-532-3
```

```
Query Match 99.5%; Score 1244.8; DB 10; Length 1325;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1246; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 ATGCGTTTAAAGTGTCTACTAGAACAGAGAAAAAGTTTTCACCTTTTGTAGTATTACTA 60
Db 1 ATGCGTTTAAAGTGTCTACTAGAACAGAGAAAAAGTTTTCACCTTTTGTAGTATTACTA 60
QY 61 GGCTATTGTTCATGTAAAGTGTGTGAAACAGAGAGACTGTAGACAGCAAGAAATTCAGG 120
Db 61 GGCTATTGTTCATGTAAAGTGTGTGAAACAGAGAGACTGTAGACAGCAAGAAATTCAGG 120
QY 121 GATCGGTCTGAAACTGTGTTCCCTGCAACACAGTGTGGGCCAGGATGTGCTTAAG 180
Db 121 GATCGGTCTGAAACTGTGTTCCCTGCAACACAGTGTGGGCCAGGATGTGCTTAAG 180
QY 181 GAAATGTGCTTCGGCTATGCGGAGATGCAAGTGTGTGACGTGCGCGCTGCACAGGTTTC 240
Db 181 GAAATGTGCTTCGGCTATGCGGAGATGCAAGTGTGTGACGTGCGCGCTGCACAGGTTTC 240
QY 241 AAGGAGGACTGGGCTTCAGAAATGCAAGCCCTCTGCGACTGCGCAGTGGTGAACCGC 300
Db 241 AAGGAGGACTGGGCTTCAGAAATGCAAGCCCTCTGCGACTGCGCAGTGGTGAACCGC 300
QY 301 TTTTCAAGAGGCAAAATGTTTCAAGCCACAGTGTATGTCATCTGCGGGGACTGCTTGCAGGA 360
Db 301 TTTTCAAGAGGCAAAATGTTTCAAGCCACAGTGTATGTCATCTGCGGGGACTGCTTGCAGGA 360
QY 361 TTTTATAGAGAGCAAACTTGTGGCTTTTCAAGACATGAGTGTGTGCTTGTGAGAGAC 420
Db 361 TTTTATAGAGAGCAAACTTGTGGCTTTTCAAGACATGAGTGTGTGCTTGTGAGAGAC 420
QY 421 CCTCTCTCTTACGAACCGCACTGTGCCAGCAAGGTCAACTCTGTGAAGATCGCGTCC 480
Db 421 CCTCTCTCTTACGAACCGCACTGTGCCAGCAAGGTCAACTCTGTGAAGATCGCGTCC 480
QY 481 ACGGCTCTCAGCCCAAGGACACGGCGCTGGCTGCGCTTATCTGCAGCGCTCTGCGCCACC 540
Db 481 ACGGCTCTCAGCCCAAGGACACGGCGCTGGCTGCGCTTATCTGCAGCGCTCTGCGCCACC 540
QY 541 GTCTGTGCGCCCTGCTCATCTCTGTGTGTCATCTATTTGAAGACAGAGTTTATGAGAGAG 600
Db 541 GTCTGTGCGCCCTGCTCATCTCTGTGTGTCATCTATTTGAAGACAGAGTTTATGAGAGAG 600
QY 601 AAACCCAGCTGTCTCTGCGGTACAGGACATTTAGTACCAAGGCTCAAGTGTGCGTGT 660
```

Db 601 AAACCCAGCTGGTCTCTCGGTCACAGGACATTCAGTACAAACGGCTCTGAGCTGCTGGT 660
Qy 661 CTTGACAGACTCAGCTCCAGCAATATGCCACAGAGCTGCTGCCAGTCCGCGTGAC 720
Db 661 CTTGACAGACTCAGCTCCAGCAATATGCCACAGAGCTGCTGCCAGTCCGCGTGAC 720
Qy 721 TCAGTGACAGCTCGGGCCGGTGGCTGTGCTCCATCCATGCTGTGAGAGGCGCTGC 780
Db 721 TCAGTGACAGCTCGGGCCGGTGGCTGTGCTCCATCCATGCTGTGAGAGGCGCTGC 780
Qy 781 AGCCCCAACCCGGGAGCTCTGGTGTGGGGTGCAATCTGACGACAGTCTTCAGGCAAGA 840
Db 781 AGCCCCAACCCGGGAGCTCTGGTGTGGGGTGCAATCTGACGACAGTCTTCAGGCAAGA 840
Qy 841 AACGACGCCCCAGCCGGGAGATGGTCCGACTTTCTCGGATCCCTCAGCAGTCCATC 900
Db 841 AACGACGCCCCAGCCGGGAGATGGTCCGACTTTCTCGGATCCCTCAGCAGTCCATC 900
Qy 901 TGTGGCGAGTTTTCAGATGCTGCGCTCTGATGAGAAATCCATGGGTGTGACAAATC 960
Db 901 TGTGGCGAGTTTTCAGATGCTGCGCTCTGATGAGAAATCCATGGGTGTGACAAATC 960
Qy 961 TCTTTTGTGACTCTTATCTCTGAATTCAGTCAAGATTTGGTGGGGCTGTT 1020
Db 961 TCTTTTGTGACTCTTATCTCTGAATTCAGTCAAGATTTGGTGGGGCTGTT 1020
Qy 1021 CTTGAAAGCTCAAGCTCTTGGATTCAGTCAAGATTTGGTGGGGCTGTT 1080
Db 1021 CTTGAAAGCTCAAGCTCTTGGATTCAGTCAAGATTTGGTGGGGCTGTT 1080
Qy 1081 CCAGTCCAGTCTCAATCTGAAATCTTACAGCAGTCTAGTATTTATAGATATAACAAC 1140
Db 1081 CCAGTCCAGTCTCAATCTGAAATCTTACAGCAGTCTAGTATTTATAGATATAACAAC 1140
Qy 1141 ACAGTGTAGATCAGTCAACTCAGATGCACTACTGATGAGAGGAGGAGTATGAG 1200
Db 1141 ACAGTGTAGATCAGTCAACTCAGATGCACTACTGATGAGAGGAGGAGTATGAG 1200
Qy 1201 GAGAGTGGCGTATCATCCAGCCAGCTCAGAGCTCCCTCCAGGAA 1248
Db 1201 GAGAGTGGCGTATCATCCAGCCAGCTCAGAGCTCCCTCCAGGAA 1248

RESULT 3

US-10-114-893-120
; Sequence 120, Application US/10114893
; Publication No. US20020193567A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: LaVallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Bowman, Michael R.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Carlin-Duckett, McKeough
; APPLICANT: Kelleher, Kerry S.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6000-10A
; CURRENT APPLICATION NUMBER: US/10/114,893
; EARLIER FILING DATE: 2002-04-02
; EARLIER APPLICATION NUMBER: 09/413,232
; EARLIER FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 321
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 120
; LENGTH: 1502
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-114-893-120

Query Match 99.5%; Score 1244.8; DB 9; Length 1502;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1246; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1 ATGGCTTTAAAGTGTCTATAGAACCAAGAGAAAAAGTTTTCATCTCTTTTAGTATTACTA 60
Db 51 ATGGCTTTAAAGTGTCTATAGAACCAAGAGAAAAAGTTTTCATCTCTTTTAGTATTACTA 110
Qy 61 GGCTATTTGTTCATGTAAAGTGTCTGTGAAACAGGAGACTGTAGACAGCAAGATTTCAGG 120
Db 111 GGCTATTTGTTCATGTAAAGTGTCTGTGAAACAGGAGACTGTAGACAGCAAGATTTCAGG 170
Qy 121 GATCGGTCTCGAAACTGTGTTCCTGCAACAGTGTGGGCGAGCATGGAGTGTGTCTAAG 180
Db 171 GATCGGTCTCGAAACTGTGTTCCTGCAACAGTGTGGGCGAGCATGGAGTGTGTCTAAG 230
Qy 181 GAATGTGGCTTCGGCTATAGGGAGGATGCAAGTGTGTGACGTGCGCGCTGCAAGGTTTC 240
Db 231 GAATGTGGCTTCGGCTATAGGGAGGATGCAAGTGTGTGACGTGCGCGCTGCAAGGTTTC 290
Qy 241 AAGGAGACTGGGGCTTCCAGAAATGCAAGCCCTGCTGAGACTGCGCAGTGGTGAACCGC 300
Db 291 AAGGAGACTGGGGCTTCCAGAAATGCAAGCCCTGCTGAGACTGCGCAGTGGTGAACCGC 350
Qy 301 TTTTCAGAGGCAAAATTTGTTTCAGCCACAGTGTGCCATCTGCGGGGACTGCTTCCAGGA 360
Db 351 TTTTCAGAGGCAAAATTTGTTTCAGCCACAGTGTGCCATCTGCGGGGACTGCTTCCAGGA 410
Qy 361 TTTTATAGGAAGCAAAATTTGTTTCAGGCTTTCAAGACATGAGTGTGTGCGCTTTGAGAG 420
Db 411 TTTTATAGGAAGCAAAATTTGTTTCAGGCTTTCAAGACATGAGTGTGTGCGCTTTGAGAG 470
Qy 421 CTTCTCTCTCTTACGAAACCGGCTGTGCCAGCAAGTGTCAACCTGTAAGATGCGCTTC 480
Db 471 CTTCTCTCTCTTACGAAACCGGCTGTGCCAGCAAGTGTCAACCTGTAAGATGCGCTTC 530
Qy 481 ACGGCTTCCAGCCACCGGACAGCGGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
Db 531 ACGGCTTCCAGCCACCGGACAGCGGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 590
Qy 541 GTCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
Db 591 GTCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 650
Qy 601 AAACCCAGCTGGTCTCTCGGTCACAGGACATTCAGTACAAACGGCTCTGAGCTGCTGCT 660
Db 651 AAACCCAGCTGGTCTCTCGGTCACAGGACATTCAGTACAAACGGCTCTGAGCTGCTGCT 710
Qy 661 CTTGACAGACTCAGCTCCAGCAATATGCCACAGAGCTGCTGCCAGTCCGCGCTGAC 720
Db 711 CTTGACAGACTCAGCTCCAGCAATATGCCACAGAGCTGCTGCCAGTCCGCGCTGAC 770
Qy 721 TCAGTGACAGCTCGGGCCGGTGGCTGTGCTCCATCCATGCTGTGAGAGGCGCTGC 780
Db 771 TCAGTGACAGCTCGGGCCGGTGGCTGTGCTCCATCCATGCTGTGAGAGGCGCTGC 830
Qy 781 AGCCCCAACCCGGGAGCTCTGGTGTGGGGTGCAATCTGACGACAGTCTTCAGGCAAGA 840
Db 831 AGCCCCAACCCGGGAGCTCTGGTGTGGGGTGCAATCTGACGACAGTCTTCAGGCAAGA 890
Qy 841 AACGACGCCCCAGCCGGGAGATGGTCCGACTTTCTCGGATCCCTCAGCAGTCCATC 900
Db 891 AACGACGCCCCAGCCGGGAGATGGTCCGACTTTCTCGGATCCCTCAGCAGTCCATC 950
Qy 901 TGTGGCGAGTTTTCAGATGCTGCGCTCTGATGAGAAATCCATGGGTGTGACAAATC 960
Db 951 TGTGGCGAGTTTTCAGATGCTGCGCTCTGATGAGAAATCCATGGGTGTGACAAATC 1010
Qy 961 TCTTTTGTGACTCTTATCTCTGAATTCAGTCAAGATTTGGTGGGGCTGTT 1020
Db 1011 TCTTTTGTGACTCTTATCTCTGAATTCAGTCAAGATTTGGTGGGGCTGTT 1070

QY 1021 CTTGAAAGCTCAACGCTCTTTGATTCAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1080
DB 1071 CTTGAAAGCTCAACGCTCTTTGATTCAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1130
QY 1081 CCAAGTCCAGTCTCATCTTGAAACCTTACAGCAGTCTAGATTTATCTAGATATAACAAC 1140
DB 1131 CCAAGTCCAGTCTCATCTTGAAACCTTACAGCAGTCTAGATTTATCTAGATATAACAAC 1190
QY 1141 ACATCTGGTAGATCAGCATCAACTCAGGATGACCTAACTATGAGAAGCCAGCTAGATCAG 1200
DB 1191 ACATCTGGTAGATCAGCATCAACTCAGGATGACCTAACTATGAGAAGCCAGCTAGATCAG 1250
QY 1201 GAGAGTGGCGCTATCATCCACCAGCCACTCAGAGTCCCTCCAGGAA 1248
DB 1251 GAGAGTGGCGCTATCATCCACCAGCCACTCAGAGTCCCTCCAGGTA 1298

RESULT 4

US-10-174-590-473
; Sequence 473, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-174-590-473

Query Match 99.5%; Score 1244.6; DB 9; Length 2870;
Best Local Similarity 99.7%; Pred. No. 0; Mismatches 4; Indels 0; Gaps 0;
Matches 1247; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1 ATGGCTTTTAAAGTGTCTACTAGAACAGAGAAAAGCTTTTTCACCTCTTTTAGTATTACTA 60
DB 185 ATGGCTTTTAAAGTGTCTACTAGAACAGAGAAAAGCTTTTTCACCTCTTTTAGTATTACTA 244
QY 61 GCGTATTTGTCTATGTAAGTGTCTTGTGAAAACAGGAGACTGTGACAGCAAGAAATTCAGG 120
DB 245 GCGTATTTGTCTATGTAAGTGTCTTGTGAAAACAGGAGACTGTGACAGCAAGAAATTCAGG 304
QY 121 GATCGGTCTGGAACCTGTGTTCCCTGCAACAGTGTGGGCCAGGATGGAGTTGTCTAAG 180
DB 305 GATCGGTCTGGAACCTGTGTTCCCTGCAACAGTGTGGGCCAGGATGGAGTTGTCTAAG 364
QY 181 GAATGTGGCTTCGGCTATGGGGAGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTTC 240
DB 365 GAATGTGGCTTCGGCTATGGGGAGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCAGAAAATGCAGCCCTGTCTGGACTGCGCAGTGTGTAACCGC 300
DB 425 AAGGAGGACTGGGGCTTCAGAAAATGCAGCCCTGTCTGGACTGCGCAGTGTGTAACCGC 484
QY 301 TTTTCAGAGGCAAAATTTGTTTCAGCCACCACTGATGCATCTGGGGGACTGCTTGGCAGGA 360

DB 485 TTTTCAGAGGCAAAATTTGTTTCAGCCACCAGTGTATGCCATCTGCGGGGACTGTTGCCAGGA 544
QY 361 TTTTATAGGAGAGCAAAATTTGTCGGCTTTTCAAGACATGAGAGTGTGTCCTTGTGGAGAC 420
DB 545 TTTTATAGGAGAGCAAAATTTGTCGGCTTTTCAAGACATGAGAGTGTGTCCTTGTGGAGAC 604
QY 421 CCTCTCTCTCTTCTTACGAAACCGCAGTGTGCCAGCAAGGTCAACCTCTGTGAGATGCGGTCC 480
DB 605 CCTCTCTCTCTTACGAAACCGCAGTGTGCCAGCAAGGTCAACCTCTGTGAGATGCGGTCC 664
QY 481 ACGCCCTCCAGCCCAACGGGACACGGCGCTGCTGCCCTTATCTCGAGCGCTCTGGCCACC 540
DB 665 ACGCCCTCCAGCCCAACGGGACACGGCGCTGCTGCCCTTATCTCGAGCGCTCTGGCCACC 724
QY 541 GTCTCTGTGCGCTGCTCATCTCTGTGTCACTATTGTATAGAGACAGTGTATGGAGAG 600
DB 725 GTCTCTGTGCGCTGCTCATCTCTGTGTCACTATTGTATAGAGACAGTGTATGGAGAG 784
QY 601 AAACCCAGCTGGTCTCTGCGGTCAAGACATTCAGTACACGGCTCTGAGCTGTCTGT 660
DB 785 AAACCCAGCTGGTCTCTGCGGTCAAGACATTCAGTACACGGCTCTGAGCTGTCTGT 844
QY 661 CTTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGCTGCCAGTGCCTGCGCTGAC 720
DB 845 TTTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGCTGCCAGTGCCTGCGCTGAC 904
QY 721 TCAGTGCAGACCTGCGGGCGGTGCTGCTCCATTCATGCTGTGAGAGAGCGCTGTC 780
DB 905 TCAGTGCAGACCTGCGGGCGGTGCTGCTCCATTCATGCTGTGAGAGAGCGCTGTC 964
QY 781 AGCCCCAAACCCGGCGACTCTTGGTTGTGGGTGCAATTCCTGAGGAGCTCTTCAAGCAAGA 840
DB 965 AGCCCCAAACCCGGCGACTCTTGGTTGTGGGTGCAATTCCTGAGGAGCTCTTCAAGCAAGA 1024
QY 841 AACCCAGCCCGAGCGGGAGATGCTGCGGCTTTCTTCGGATCCCTCAGCAGTGCATC 900
DB 1025 AACCCAGCCCGAGCGGGAGATGCTGCGGCTTTCTTCGGATCCCTCAGCAGTGCATC 1084
QY 901 TGTGCGGAGTTTTCAGATGCTGCGCTCTGATGAGAAATCCCATGGGTGTTGAGCAACATC 960
DB 1085 TGTGCGGAGTTTTCAGATGCTGCGCTCTGATGAGAAATCCCATGGGTGTTGAGCAACATC 1144
QY 961 TCTTTTGTGACTCTTATCTGAACTCAATGAGAGAGCAATTCATCTCTCAATCCAGAA 1020
DB 1145 TCTTTTGTGACTCTTATCTGAACTCAATGAGAGAGCAATTCATCTCTCAATCCAGAA 1204
QY 1021 CTTGAAAGCTCAACGCTCTTTGATTCAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1080
DB 1205 CTTGAAAGCTCAACGCTCTTTGATTCAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1264
QY 1081 CCAAGTCCAGTCTCATCTGAAAACCTTTTACAGCAGTCTAGATTTATCTAGATATAACAAC 1140
DB 1265 CCAAGTCCAGTCTCATCTGAAAACCTTTTACAGCAGTCTAGATTTATCTAGATATAACAAC 1324
QY 1141 ACATCTGGTAGATCAGCATCAACTCAGGATGCACTACTGAGAGCCAGCTAGATCAG 1200
DB 1325 ACATCTGGTAGATCAGCATCAACTCAGGATGCACTACTGAGAGCCAGCTAGATCAG 1384
QY 1201 GAGAGTGGCGCTATCATCCACCAGCCACTCAGAGTCCCTCCAGGAGGCT 1251
DB 1385 GAGAGTGGCGCTATCATCCACCAGCCACTCAGAGTCCCTCCAGGAGGCT 1435

RESULT 5

US-10-176-758-473
; Sequence 473, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

APPLICANT: Gurney,Austin L.
APPLICANT: Pan,James
APPLICANT: Smith,Victoria
APPLICANT: Watanabe,Colin K.
APPLICANT: Wood,William I.
APPLICANT: Zhang,Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C104
CURRENT APPLICATION NUMBER: US/10/176,758
CURRENT FILING DATE: 2002-06-21
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 473
LENGTH: 2870
TYPE: DNA
ORGANISM: Homo Sapien
US-10-176-758-473

Query Match 99.5%; Score 1244.6; DB 9; Length 2870;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 ATGGCTTTAAAGTCTACTAGAACAGAGAAAACGTTTTCACCTCTTTTAGTATTACTA 60
DB 185 ATGGCTTTAAAGTCTACTAGAACAGAGAAAACGTTTTCACCTCTTTTAGTATTACTA 244

QY 61 GGCTATTGTTCATGTAAGTCACTTGTGAAACAGGAGACTGTAGACAGCAAGATTTCAGG 120
DB 245 GGCTATTGTTCATGTAAGTCACTTGTGAAACAGGAGACTGTAGACAGCAAGATTTCAGG 304

QY 121 GATCGGTCTGAAACATGTGTTCCCTGCAACAGAGTGTGGCCAGGAGTGTCTTAAG 180
DB 305 GATCGGTCTGAAACATGTGTTCCCTGCAACAGAGTGTGGCCAGGAGTGTCTTAAG 364

QY 181 GAATGTGCTTCGGCTATGAGGAGATGCAACAGTGTGTGACGTGCGGCTGCAAGGTTTC 240
DB 365 GAATGTGCTTCGGCTATGAGGAGATGCAACAGTGTGTGACGTGCGGCTGCAAGGTTTC 424

QY 241 AAGGAGGACTGGGCTTCAGAAATGCAAGCCCTGCTGGAAGTGGCAGTGGTGAACCGC 300
DB 425 AAGGAGGACTGGGCTTCAGAAATGCAAGCCCTGCTGGAAGTGGCAGTGGTGAACCGC 484

QY 301 TTTCAGAGGCAAAATGTTTCAGCCACCAAGTGTGATGCTGCGGGGAGTGTCTGCCAGGA 360
DB 485 TTTCAGAGGCAAAATGTTTCAGCCACCAAGTGTGATGCTGCGGGGAGTGTCTGCCAGGA 544

QY 361 TTTTATAGAGACGAAACTTGTGCGCTTTCAAGACATGGAGTGTGCTGCTTGTGGAGAC 420
DB 545 TTTTATAGAGACGAAACTTGTGCGCTTTCAAGACATGGAGTGTGCTGCTTGTGGAGAC 604

QY 421 CCTGCTCTCTTACGAACCGCAGTGTGCGCAGCAAGTCAACCTGCTGAAGTCCGCTCC 480
DB 605 CCTGCTCTCTTACGAACCGCAGTGTGCGCAGCAAGTCAACCTGCTGAAGTCCGCTCC 664

QY 481 ACGGCTCCAGCCACGGGACACGGCGTGGCTGCGCTTATCTGAGCGCTCTGCGCCACC 540
DB 665 ACGGCTCCAGCCACGGGACACGGCGTGGCTGCGCTTATCTGAGCGCTCTGCGCCACC 724

QY 541 GTCTGCTGGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
DB 725 GTCTGCTGGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 784

QY 601 AAACCCAGTGTGCTCTGCGGTTCAGAGACATTCAGTCAACGGCTCTGAGCTGCTGCTG 660
DB 785 AAACCCAGTGTGCTCTGCGGTTCAGAGACATTCAGTCAACGGCTCTGAGCTGCTGCTG 844

QY 661 CTTGACAGACCTCAGCTCCACGAATATGCCACAGAGCTGTGCGCAGTGGCGCGTGCAC 720
DB 845 TTTGACAGACCTCAGCTCCACGAATATGCCACAGAGCTGTGCGCAGTGGCGCGTGCAC 904

QY 721 TCAGTGCAGACCTGCGGGCGGTGCGCTTGTCTCCATCATGTGTGTGAGAGGCGCTGC 780

DB 905 TCAGTGCAGACCTGCGGGCGGTGCGCTTGTCTCCATCCATGCTGTGTGAGAGGCGCTGC 964

QY 781 AGCCCCAAACCCGCGGACTCTTGTGTTGGGTGCTCATTTCTGACCGAGTCTTTAGGCAAGA 840

DB 965 AGCCCCAAACCCGCGGACTCTTGTGTTGGGTGCTCATTTCTGACCGAGTCTTTAGGCAAGA 1024

QY 841 AACGCGAGCCACCGCGGAGATGGTGGCGACTTTTCTCGGATCCCTCAGCGAGTCCATC 900

DB 1025 AACGCGAGCCACCGCGGAGATGGTGGCGACTTTTCTCGGATCCCTCAGCGAGTCCATC 1084

QY 901 TGTGGCGAGTTTTCAGATGCTGCGCTCTGATGACAGATCCCATGGTGGTGGTGAACATC 960

DB 1085 TGTGGCGAGTTTTCAGATGCTGCGCTCTGATGACAGATCCCATGGTGGTGGTGAACATC 1144

QY 961 TCTTTTGTGACTCTTATCTGAACTCACTGGAAGACATTCATTCTCTCAATCCAGAA 1020

DB 1145 TCTTTTGTGACTCTTATCTGAACTCACTGGAAGACATTCATTCTCTCAATCCAGAA 1204

QY 1021 CTTGAAAGCTCAACGCTTTTGGATTCAAATAGCAGTCAAGATTTGGTGGTGGGCTGTT 1080

DB 1205 CTTGAAAGCTCAACGCTTTTGGATTCAAATAGCAGTCAAGATTTGGTGGTGGGCTGTT 1264

QY 1081 CCAGTCCAGTCTCATCTGAAACTTTACAGCAGTACTGATTTATCTAGATATAACAAC 1140

DB 1265 CCAGTCCAGTCTCATCTGAAACTTTACAGCAGTACTGATTTATCTAGATATAACAAC 1324

QY 1141 ACAGTGTAGAACTCAGCATCAACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG 1200

DB 1325 ACAGTGTAGAACTCAGCATCAACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG 1384

QY 1201 GAGAGTGGCGCTATCATCCACCAGCCACTCAGACGCTCCCTCCAGGAAGCT 1251

DB 1385 GAGAGTGGCGCTATCATCCACCAGCCACTCAGACGCTCCCTCCAGGAAGCT 1435

RESULT 6
US-10-175-737-473
Sequence 473, Application US/10175737
Publication No. US20030013153A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C104
CURRENT APPLICATION NUMBER: US/10/175,737
CURRENT FILING DATE: 2002-06-19
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 473
LENGTH: 2870
TYPE: DNA
ORGANISM: Homo Sapien
US-10-175-737-473

Query Match 99.5%; Score 1244.6; DB 9; Length 2870;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 ATGGCTTTAAAGTCTACTAGAACAGAGAAAACGTTTTCACCTCTTTTAGTATTACTA 60
DB 185 ATGGCTTTAAAGTCTACTAGAACAGAGAAAACGTTTTCACCTCTTTTAGTATTACTA 244

QY 61 GGCTATTGTTCATGTAAGTCACTTGTGAAACAGGAGACTGTAGACAGCAAGATTTCAGG 120
DB 245 GGCTATTGTTCATGTAAGTCACTTGTGAAACAGGAGACTGTAGACAGCAAGATTTCAGG 304

QY 121 GATCGGTCTGAAACATGTGTTCCCTGCAACAGAGTGTGGCCAGGAGTGTCTTAAG 180
DB 305 GATCGGTCTGAAACATGTGTTCCCTGCAACAGAGTGTGGCCAGGAGTGTCTTAAG 364

QY 181 GAATGTGCTTCGGCTATGAGGAGATGCAACAGTGTGTGACGTGCGGCTGCAAGGTTTC 240
DB 365 GAATGTGCTTCGGCTATGAGGAGATGCAACAGTGTGTGACGTGCGGCTGCAAGGTTTC 424

QY 241 AAGGAGGACTGGGCTTCAGAAATGCAAGCCCTGCTGGAAGTGGCAGTGGTGAACCGC 300
DB 425 AAGGAGGACTGGGCTTCAGAAATGCAAGCCCTGCTGGAAGTGGCAGTGGTGAACCGC 484

QY 301 TTTCAGAGGCAAAATGTTTCAGCCACCAAGTGTGATGCTGCGGGGAGTGTCTGCCAGGA 360
DB 485 TTTCAGAGGCAAAATGTTTCAGCCACCAAGTGTGATGCTGCGGGGAGTGTCTGCCAGGA 544

QY 361 TTTTATAGAGACGAAACTTGTGCGCTTTCAAGACATGGAGTGTGCTGCTTGTGGAGAC 420
DB 545 TTTTATAGAGACGAAACTTGTGCGCTTTCAAGACATGGAGTGTGCTGCTTGTGGAGAC 604

QY 421 CCTGCTCTCTTACGAACCGCAGTGTGCGCAGCAAGTCAACCTGCTGAAGTCCGCTCC 480
DB 605 CCTGCTCTCTTACGAACCGCAGTGTGCGCAGCAAGTCAACCTGCTGAAGTCCGCTCC 664

QY 481 ACGGCTCCAGCCACGGGACACGGCGTGGCTGCGCTTATCTGAGCGCTCTGCGCCACC 540
DB 665 ACGGCTCCAGCCACGGGACACGGCGTGGCTGCGCTTATCTGAGCGCTCTGCGCCACC 724

QY 541 GTCTGCTGGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
DB 725 GTCTGCTGGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 784

QY 601 AAACCCAGTGTGCTCTGCGGTTCAGAGACATTCAGTCAACGGCTCTGAGCTGCTGCTG 660
DB 785 AAACCCAGTGTGCTCTGCGGTTCAGAGACATTCAGTCAACGGCTCTGAGCTGCTGCTG 844

QY 661 CTTGACAGACCTCAGCTCCACGAATATGCCACAGAGCTGTGCGCAGTGGCGCGTGCAC 720
DB 845 TTTGACAGACCTCAGCTCCACGAATATGCCACAGAGCTGTGCGCAGTGGCGCGTGCAC 904

QY 721 TCAGTGCAGACCTGCGGGCGGTGCGCTTGTCTCCATCATGTGTGTGAGAGGCGCTGC 780

Db 245 GCGTATTGTTGTAAGTACTGTTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGG 304
Qy 121 GATCGGTCTGGAACATGTTCCCTGCAACAGAGTGTGGGCCAGGATGGAGTTGTCTAAG 180
Db 305 GATCGGTCTGGAACATGTTGTTCCCTGCAACAGAGTGTGGGCCAGGATGGAGTTGTCTAAG 364
Qy 181 GAATGTGGCTTCGGCTATGGGAGAGATGCACAGTGTGTGAAGTGTCCGGCTGCACAGGTTTC 240
Db 365 GAATGTGGCTTCGGCTATGGGAGAGATGCACAGTGTGTGAAGTGTCCGGCTGCACAGGTTTC 424
Qy 241 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTCTCTGGACTGCGCAGTGTGAACCGC 300
Db 425 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTCTCTGGACTGCGCAGTGTGAACCGC 484
Qy 301 TTTTCAGAGGCAAAATGTTTTCAGCCACAGTGTGATGCTGCGGGGACTGCTTGCAGGA 360
Db 485 TTTTCAGAGGCAAAATGTTTTCAGCCACAGTGTGATGCTGCGGGGACTGCTTGCAGGA 544
Qy 361 TTTTATAGGAAGCAAAATGTTGCGGCTTTCAAGACATGGAGTGTGTGCTTGTGGAGAC 420
Db 545 TTTTATAGGAAGCAAAATGTTGCGGCTTTCAAGACATGGAGTGTGTGCTTGTGGAGAC 604
Qy 421 CCTCTCTCTCTTACGACCGCACTGTGCCAGAGGTCAACCTCGTGAAGATCGCGTCC 480
Db 605 CCTCTCTCTCTTACGACCGCACTGTGCCAGAGGTCAACCTCGTGAAGATCGCGTCC 664
Qy 481 ACGGCTCTCAGCCCAAGGACAGCGGCTGGCTGCGGCTTATCTGAGGGCTCTGCGCCACC 540
Db 665 ACGGCTCTCAGCCCAAGGACAGCGGCTGGCTGCGGCTTATCTGAGGGCTCTGCGCCACC 724
Qy 541 GTCTGTCTGGCTGCTCATCTCTGTGTGTCATCTATTGTGAAGACAGATTTATGAGAGG 600
Db 725 GTCTGTCTGGCTGCTCATCTCTGTGTGTCATCTATTGTGAAGACAGATTTATGAGAGG 784
Qy 601 AAACCCAGCTGTCTCTGGGTTCAGAGGACATTCAGTCAACCGCTCTGAGCTGTCTGT 660
Db 785 AAACCCAGCTGTCTCTGGGTTCAGAGGACATTCAGTCAACCGCTCTGAGCTGTCTGT 844
Qy 661 CTTCAGACACCTCAGCTCCACGAATATGCCACAGAGCTGTGCGAGTGTGCGCGCTGAC 720
Db 845 TTTTCAGACACCTCAGCTCCACGAATATGCCACAGAGCTGTGCGAGTGTGCGCGCTGAC 904
Qy 721 TCAGTGCAGACCTGCGGCGGCTGTGCTCCATCCATCCATGTCTGTGAGAGGCGCTGC 780
Db 905 TCAGTGCAGACCTGCGGCGGCTGTGCTCCATCCATCCATGTCTGTGAGAGGCGCTGC 964
Qy 781 AGCCCAACCCGCGGACTCTTGGTGTGGGGTGCAATTCGACAGCAGTCTTCAGGCAAGA 840
Db 965 AGCCCAACCCGCGGACTCTTGGTGTGGGGTGCAATTCGACAGCAGTCTTCAGGCAAGA 1024
Qy 841 AACGCGAGCCAGCGGGGAGATGTGCGGACTTTCTTCGGATCCCTCAGCAGTCCATC 900
Db 1025 AACGCGAGCCAGCGGGGAGATGTGCGGACTTTCTTCGGATCCCTCAGCAGTCCATC 1084
Qy 901 TGTGGGAGTTTTCAGATGCTGCGCTCTGATGCGAATCCCATGGGTGTGCAACATC 960
Db 1085 TGTGGGAGTTTTCAGATGCTGCGCTCTGATGCGAATCCCATGGGTGTGCAACATC 1144
Qy 961 TCTTTTGTGACTCTTATCTGAACTCACTGAGAGAGACATTCATTCCTCAATCCAGAA 1020
Db 1145 TCTTTTGTGACTCTTATCTGAACTCACTGAGAGAGACATTCATTCCTCAATCCAGAA 1204
Qy 1021 CTTGAAAGCTCAACGCTCTTTGGATTCAAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1080
Db 1205 CTTGAAAGCTCAACGCTCTTTGGATTCAAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1264
Qy 1081 CAGTCCAGTCTCATCTGAAACTTTTACAGAGTACTGATTTATCTAGATATACACAC 1140
Db 1265 CAGTCCAGTCTCATCTGAAACTTTTACAGAGTACTGATTTATCTAGATATACACAC 1324
Qy 1141 ACACCTGGTAGATCAGCACTCAAGTATGCACTAACTATGAGAGGCGCAGCTAGATCAG 1200

Db 1325 ACATGGTAGAATCAGCATCACTCAGATGCATTAAGTATGAGAGCCAGCTAGATCAG 1384
Qy 1201 GAGAGTGGCGCTATCATCCACCCAGCCACTCAGACGTCCTCTCCAGGAAGCT 1251
Db 1385 GAGAGTGGCGCTGTCTATCCACCCAGCCACTCAGACGTCCTCTCCAGGAAGCT 1435
RESULT 7
US-10-173-706-473
; Sequence 473, Application US/10173706
; Publication No. US20030022293A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC7
; CURRENT APPLICATION NUMBER: US/10173706
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-173-706-473
Query Match 99.5%; Score 1244.6; DB 9; Length 2870;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
Qy 1 ATGCGTTTAAAGTGTCTACTAGAAACAAGAGAAAAAGTTTTCACCTCTTTTAGTATTACTA 60
Db 185 ATGCGTTTAAAGTGTCTACTAGAACACAGAAAAAGTTTTCACCTCTTTTAGTATTACTA 244
Qy 61 GCGTATTGTGCATGTAAGTGTCTGTGAAACAAGAGACTGTAGACAGCAAGAAATTCAGG 120
Db 245 GCGTATTGTGCATGTAAGTGTCTGTGAAATCAGAGACTGTAGACAGCAAGAAATTCAGG 304
Qy 121 GATCGGCTCGAAGTGTGTTCCCTGCAACAGTGTGGGCCAGGCATGGAGTTGTCTAAG 180
Db 305 GATCGGCTCGAAGTGTGTTCCCTGCAACAGTGTGGGCCAGGCATGGAGTTGTCTAAG 364
Qy 181 GAATGTGGCTTCGGCTATGGGAGAGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTTC 240
Db 365 GAATGTGGCTTCGGCTATGGGAGAGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTTC 424
Qy 241 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTCTGTGGAATGCGCAGTGTGAACCGC 300
Db 425 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTCTGTGGAATGCGCAGTGTGAACCGC 484
Qy 301 TTTTCAGAGGCAAAATGTTTTCAGCCACAGTGTGATGCTGCGGGGACTGCTTGCAGGA 360
Db 485 TTTTCAGAGGCAAAATGTTTTCAGCCACAGTGTGATGCTGCGGGGACTGCTTGCAGGA 544
Qy 361 TTTTATAGGAAGCAAAATGTTGCGGCTTTCAAGACATGGAGTGTGTGCTTGTGGAGAC 420
Db 545 TTTTATAGGAAGCAAAATGTTGCGGCTTTCAAGACATGGAGTGTGTGCTTGTGGAGAC 604
Qy 421 CCTCTCTCTCTTACGACCGCACTGTGCCAGAGGTCAACCTCGTGAAGATCGCGTCC 480
Db 605 CCTCTCTCTCTTACGACCGCACTGTGCCAGAGGTCAACCTCGTGAAGATCGCGTCC 664
Qy 481 ACGGCTCTCAGCCCAAGGACAGCGGCTGGCTGCGGCTTATCTGAGGGCTCTGCGCCACC 540

Db 1085 TGTGGCGAGTTTTCAGATGCGCTGGGCTCTGATGCGAATCCCATGGGTGGTGACAACATC 1144
Qy 961 TCTTTTGTGACTCTTATCTGAACTCACTGAGAGAGACATTCATCTCTCAATCCAGAA 1020
Db 1145 TCTTTTGTGACTCTTATCTGAACTCACTGAGAGAGACATTCATCTCTCAATCCAGAA 1204
Qy 1021 CTTGAAAGCTCAACGCTCTTGTGATTCAAATAGACAGTCAAGATTTGGTGGTGGGCTGTT 1080
Db 1205 CTTGAAAGCTCAACGCTCTTGTGATTCAAATAGACAGTCAAGATTTGGTGGTGGGCTGTT 1264
Qy 1081 CCAATCCAGTCTCATCTTGAAACTTACAGCAGCTACTGATTTATCTAGATATACAAAC 1140
Db 1265 CCAATCCAGTCTCATCTTGAAACTTACAGCAGCTACTGATTTATCTAGATATACAAAC 1324
Qy 1141 ACATCGTAGATCAGCACTCACTCAGGATGCACTAACTATGAGAAGCAGCTAGATCAG 1200
Db 1325 ACATCGTAGATCAGCACTCACTCAGGATGCACTAACTATGAGAAGCAGCTAGATCAG 1384
Qy 1201 GAGAGTGGCGCTTATCATCCACCAGCCTCAGAGCTGCTCCAGGAAGCT 1251
Db 1385 GAGAGTGGCGCTTATCATCCACCAGCCTCAGAGCTGCTCCAGGAAGCT 1435

RESULT 9

US-10-175-752-473
; Sequence 473, Application US/10175752
; Publication No. US2003002295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Deshoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175,752
; PRIORITY FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-752-473

Query Match 99.5%; Score 1244.6; DB 9; Length 2870;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
Qy 1 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAAACGTTTTTCACTCTTTTAGTATTACTA 60
Db 185 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAAACGTTTTTCACTCTTTTAGTATTACTA 244
Qy 61 GCGTATTGTCTATGTAAGTGTCTGTAACAGGAGACTGTAGACAGCAAGAAATTCAGG 120
Db 245 GCGTATTGTCTATGTAAGTGTCTGTAACAGGAGACTGTAGACAGCAAGAAATTCAGG 304
Qy 121 GATCGTCTGGAACATGTTCTCCCTGCAACAGTGTGGCCAGGATGAGTTGTCTAAG 180
Db 305 GATCGTCTGGAACATGTTCTCCCTGCAACAGTGTGGCCAGGATGAGTTGTCTAAG 364
Qy 181 GAATGTGGCTTCGGCTATCGGAGAGATGACAGTGTGTGACGTGCGGCTGCACAGGTTTC 240
Db 365 GAATGTGGCTTCGGCTATCGGAGAGATGACAGTGTGTGACGTGCGGCTGCACAGGTTTC 424

RESULT 10

US-10-176-482-473
; Sequence 473, Application US/10176482
; Publication No. US2003002296A1

Qy 241 AAGAGAGACTGGGCTTCCAGAAATGCAAGCCCTGTCTGGACTGCGCAGTGGTGAACCGC 300
Db 425 AAGAGAGACTGGGCTTCCAGAAATGCAAGCCCTGTCTGGACTGCGCAGTGGTGAACCGC 484
Qy 301 TTTTCAGAGGCAAAATTTGTTCAGCCACAGTGTATGCCATCTGCGGGGAGTCTGTTGCCAGGA 360
Db 485 TTTTCAGAGGCAAAATTTGTTCAGCCACAGTGTATGCCATCTGCGGGGAGTCTGTTGCCAGGA 544
Qy 361 TTTTATAGAGAGCAAAATTTGTTCGGCTTTCAAGACATGAGAGTGTGTCCTTTGAGAGAC 420
Db 545 TTTTATAGAGAGCAAAATTTGTTCGGCTTTCAAGACATGAGAGTGTGTCCTTTGAGAGAC 604
Qy 421 CCTCTCTCTTACGAAACGCGACTGTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCT 480
Db 605 CCTCTCTCTTACGAAACGCGACTGTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCT 664
Qy 481 ACAGCTTCACGCCACAGGACACCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCT 540
Db 665 ACAGCTTCACGCCACAGGACACCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCT 724
Qy 541 GTCTGTGCGGCTGCTCATCTCTGTGTCTATCTGTCATCTATTTGTAAGAGACAGTTTATGAGAG 600
Db 725 GTCTGTGCGGCTGCTCATCTCTGTGTCTATCTGTCATCTATTTGTAAGAGACAGTTTATGAGAG 784
Qy 601 AAACCCAGCTGCTCTGCGGCTCAGAGACATTCAGTACACGCTCTGAGCTGCTGCTGCTGCT 660
Db 785 AAACCCAGCTGCTCTGCGGCTCAGAGACATTCAGTACACGCTCTGAGCTGCTGCTGCTGCT 844
Qy 661 CTTGACAGACTCAGCTCCAGCAATATGCCACAGAGCTGCTGCGGCTGCGGCTGCGGCTGCGGCT 720
Db 845 TTTGACAGACTCAGCTCCAGCAATATGCCACAGAGCTGCTGCGGCTGCGGCTGCGGCTGCGGCT 904
Qy 721* TCAGTGTGAGACTGCGGCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
Db 905 TCAGTGTGAGACTGCGGCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 964
Qy 781 AGCCCAACCCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Db 965 AGCCCAACCCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1024
Qy 841 AACGAGGCTCAGGCTGCGGCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
Db 1025 AACGAGGCTCAGGCTGCGGCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1084
Qy 901 TGTGCGGAGTTTTCAGATGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
Db 1085 TGTGCGGAGTTTTCAGATGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1144
Qy 961 TCTTTTGTGACTCTTATCTGTAACCTCACTGAGAGACATTCATCTCTCAATCCAGAA 1020
Db 1145 TCTTTTGTGACTCTTATCTGTAACCTCACTGAGAGACATTCATCTCTCAATCCAGAA 1204
Qy 1021 CTTGAAAGCTCAACGCTCTTTGGATTTCAATAGCAGTCAAGATTTGGTGGTGGGCTGCTTT 1080
Db 1205 CTTGAAAGCTCAACGCTCTTTGGATTTCAATAGCAGTCAAGATTTGGTGGTGGGCTGCTTT 1264
Qy 1081 CCAATCCAGTCTCATCTGTAAGAACTTTTACAGCAGCTACTGATTTTATCTAGATATACAAAC 1140
Db 1265 CCAATCCAGTCTCATCTGTAAGAACTTTTACAGCAGCTACTGATTTTATCTAGATATACAAAC 1324
Qy 1141 ACATCGTAGATCAGCACTCACTCAGGATGCACTAACTATGAGAAGCAGCTAGATCAG 1200
Db 1325 ACATCGTAGATCAGCACTCACTCAGGATGCACTAACTATGAGAAGCAGCTAGATCAG 1384
Qy 1201 GAGAGTGGCGCTTATCATCCACCAGCCTCAGAGCTGCTCCAGGAAGCT 1251
Db 1385 GAGAGTGGCGCTTATCATCCACCAGCCTCAGAGCTGCTCCAGGAAGCT 1435


```
QY 1 ATGGCTTTAAAGTCTCTACTAGAACAGAGAAAACGTTTTTTCACCTCTCTTTTAGTATTACTA 60
Db 185 ATGGCTTTAAAGTCTCTACTAGAACAGAGAAAACGTTTTTTCACCTCTCTTTTAGTATTACTA 244
QY 61 GCCTATTGTCTATGTAAGTACTTGTGAAACAGAGACTGTGAGACACGAAGATTTCAGG 120
Db 245 GCCTATTGTCTATGTAAGTACTTGTGAAACAGAGACTGTGAGACACGAAGATTTCAGG 304
QY 121 GATCGGTCTGGAAACTGTGTTCCCTGCAACAGTGTGGGCCAGGCATGGAGTTGTCTAAG 180
Db 305 GATCGGTCTGGAAACTGTGTTCCCTGCAACAGTGTGGGCCAGGCATGGAGTTGTCTAAG 364
QY 181 GAATGTGGCTTCGGCTATGGGAGAGATGCAAGTGTGTGACGTGCGCGCTGCACAGGTTTC 240
Db 365 GAATGTGGCTTCGGCTATGGGAGAGATGCAAGTGTGTGACGTGCGCGCTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCAGAAATGCAAGACCTGTCTGGACTGCGCAGTGTGTAACCGC 300
Db 425 AAGGAGGACTGGGGCTTCAGAAATGCAAGACCTGTCTGGACTGCGCAGTGTGTAACCGC 484
QY 301 TTTTCAGAAGGCAAAATGTTTCAGCCACCACTGATGCCATCTGCGGGGACTGCTTGCAGGA 360
Db 485 TTTTCAGAAGGCAAAATGTTTCAGCCACCACTGATGCCATCTGCGGGGACTGCTTGCAGGA 544
QY 361 TTTTATAGAGAAGCAAACTTGTGCGCTTTCAAGACATGGAGTGTGTGCTTTGTGGAGAC 420
Db 545 TTTTATAGAGAAGCAAACTTGTGCGCTTTCAAGACATGGAGTGTGTGCTTTGTGGAGAC 604
QY 421 CCTCTCTCTCTTACGAAACCGCACTGTGCCAGCAAGTCAACTCGTGAAGATCCGCTCC 480
Db 605 CCTCTCTCTCTTACGAAACCGCACTGTGCCAGCAAGTCAACTCGTGAAGATCCGCTCC 664
QY 481 ACGGCTCTCAGCCCGGACACGGCGTGGCTGGCTGCGTTATCTGCAGCGCTCTGCGCCACC 540
Db 665 ACGGCTCTCAGCCCGGACACGGCGTGGCTGGCTGCGTTATCTGCAGCGCTCTGCGCCACC 724
QY 541 GTCTGTCTGGCCCTGCTCATCTCTGTGTGTCATCTATGTGTAAGACAGATTTATGAGAAG 600
Db 725 GTCTGTCTGGCCCTGCTCATCTCTGTGTGTCATCTATGTGTAAGACAGATTTATGAGAAG 784
QY 601 AAACCCAGCTGTCTCTGGGTTCAGAGGACATTCAGTCAACGGCTCTGAGCTGTCTGT 660
Db 785 AAACCCAGCTGTCTCTGGGTTCAGAGGACATTCAGTCAACGGCTCTGAGCTGTCTGT 844
QY 661 CTTCAGACACCTCAGCTCCACGAATATGCCACAGAGCCTGTGCGAGTCCCGCGTGCAC 720
Db 845 TTTGACAGACCTCAGCTCCACGAATATGCCACAGAGCCTGTGCGAGTCCCGCGTGCAC 904
QY 721 TCAGTGCAGACCTGCGGGCGGTGGCTGCTCCCATCCATGCTGTGAGGAGGCGCTGC 780
Db 905 TCAGTGCAGACCTGCGGGCGGTGGCTGCTCCCATCCATGCTGTGAGGAGGCGCTGC 964
QY 781 AGCCCCAACCCGCGCACTCTGTGTTGTGGGTGCAATTCGACAGCAGTCTTCAGGCAAGA 840
Db 965 AGCCCCAACCCGCGCACTCTGTGTTGTGGGTGCAATTCGACAGCAGTCTTCAGGCAAGA 1024
QY 841 AACGCGAGCCAGCGGGGAGATGTTGCGGACTTTTCTCGATCCCTCAGCAGTCCATC 900
Db 1025 AACGCGAGCCAGCGGGGAGATGTTGCGGACTTTTCTCGATCCCTCAGCAGTCCATC 1084
QY 901 TGTGGGAGTTTTCAGATGCTTGGCTCTGTATGCAAGATCCATGGTGGTGAACAATC 960
Db 1085 TGTGGGAGTTTTCAGATGCTTGGCTCTGTATGCAAGATCCATGGTGGTGAACAATC 1144
QY 961 TCTTTTGTGACTCTTATCTGAACCTCACTGGAGAGACATTCATTCTCTCAATCCAGAA 1020
Db 1145 TCTTTTGTGACTCTTATCTGACTCACTGGAGAGACATTCATTCTCTCAATCCAGAA 1204
QY 1021 CTTGAAAGCTCAACGCTTTTGGATTCAAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1080
Db 1205 CTTGAAAGCTCAACGCTTTTGGATTCAAAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1264
```

```
QY 1081 CCAGTCCAGTCTCATCTCTGAAACCTTTTACAGCAGCTACTGATTTTATCTAGATATAACAAC 1140
Db 1265 CCAGTCCAGTCTCATCTCTGAAACCTTTTACAGCAGCTACTGATTTTATCTAGATATAACAAC 1324
QY 1141 ACAGTGTAGAAATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCCAGCTAGATCAG 1200
Db 1325 ACAGTGTAGAAATCAGCATCAACTCAGGATGCACTAACTATGAGAAGCCAGCTAGATCAG 1384
QY 1201 GAGAGTGGCGTATCATCTCCACCCAGCCAGCTCAGACGTCCTCTCCAGGAAGCT 1251
Db 1385 GAGAGTGGCGTATCATCTCCACCCAGCCAGCTCAGACGTCCTCTCCAGGAAGCT 1435

RESULT 12
US-10-176-913-473
; Sequence 473, Application US/10176913
; Publication No. US20030022298A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,913
; PRIOR APPLICATION DATE: 2002-06-20
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-913-473

Query Match 99.5%; Score 1244.6; DB 9; Length 2870;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1247; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 ATGGCTTTAAAGTCTCTACTAGAACAGAGAAAACGTTTTTTCACCTCTCTTTTAGTATTACTA 60
Db 185 ATGGCTTTAAAGTCTCTACTAGAACAGAGAAAACGTTTTTTCACCTCTCTTTTAGTATTACTA 244
QY 61 GCCTATTGTCTATGTAAGTACTTGTGAAACAGAGACTGTGAGACACGAAGATTTCAGG 120
Db 245 GCCTATTGTCTATGTAAGTACTTGTGAAACAGAGACTGTGAGACACGAAGATTTCAGG 304
QY 121 GATCGGTCTGGAAACTGTGTTCCCTGCAACAGTGTGGGCCAGGCATGGAGTTGTCTAAG 180
Db 305 GATCGGTCTGGAAACTGTGTTCCCTGCAACAGTGTGGGCCAGGCATGGAGTTGTCTAAG 364
QY 181 GAATGTGGCTTCGGCTATGGGAGAGATGCAAGTGTGTGACGTGCGCGCTGCACAGGTTTC 240
Db 365 GAATGTGGCTTCGGCTATGGGAGAGATGCAAGTGTGTGACGTGCGCGCTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCAGAAATGCAAGACCTGTCTGGACTGCGCAGTGTGTAACCGC 300
Db 425 AAGGAGGACTGGGGCTTCAGAAATGCAAGACCTGTCTGGACTGCGCAGTGTGTAACCGC 484
QY 301 TTTTCAGAAGGCAAAATGTTTCAGCCACCACTGATGCCATCTGCGGGGACTGCTTGCAGGA 360
Db 485 TTTTCAGAAGGCAAAATGTTTCAGCCACCACTGATGCCATCTGCGGGGACTGCTTGCAGGA 544
QY 361 TTTTATAGAGAAGCAAACTTGTGCGCTTTCAAGACATGGAGTGTGTGCTTTGTGGAGAC 420
Db 545 TTTTATAGAGAAGCAAACTTGTGCGCTTTCAAGACATGGAGTGTGTGCTTTGTGGAGAC 604
```


RESULT 15

US-10-173-700-473
; Sequence 473, Application US/10173700

; Publication No. US20
; GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian

;
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey

APPLICANT: Godowski, P
APPLICANT: Gurney, Aus
APPLICANT:

APPLICANT: Guiney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria

REFUGIAN: SMITH, VICTOR
APPLICANT: Watanabe, Co
APPLICANT: Wood, William

APPLICANT: WOOD, WILLIAM I.
APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRET
 ;
 ; TITLE OF INVENTION: ACIDS
 ;

FILE REFERENCE: P3430R1C14
CURRENT APPLICATION NUMBER: US/10/173,700

;
CURRENT FILING
;
Prior Application

; NUMBER OF S
; SEQ ID NO 47

```

; LENGTH: 2870
; TYPE: DNA

```

i	ORGANISM: Homo Sapien
US-10-173	-700-473
Query Match	99.5%; Score 1244.6; DB 9; Length 2870;
Best Local Similarity	99.7%; Pred. No. 0;
Matches 1247; Conservative	0; Mismatches 4; Indels 0; Gaps 0;
Qy	1 ATGGCTTTAAAGTGCTACTAGAACAGAGAAAACGTTTTTCACCTCTTTAGTATTACTA 60
Db	185 ATGGCTTTAAAGTGCTACTAGAACAGAGAAAACGTTTTTCACCTCTTTAGTATTACTA 244
Qy	61 GGCTATTTGTCA TGTAAGAAGTGACTTGTGAACAGGAGACTGTAGACAGCAAGAAATTCAGG 120
Db	245 GGCTATTTGTCA TGTAAGAAGTGACTTGTGAATCAGAGACTGTAGACAGCAAGAAATTCAGG 304
Qy	121 GATCGGTCTGGA AACTGTGTTCCCTGC CAAC CAGTGTGGGCCAGGCATGGAGTTGCTCTAAG 180
Db	305 GATCGGTCTGGA AACTGTGTTCCCTGC CAAC CAGTGTGGGCCAGGCATGGAGTTGCTCTAAG 364
Qy	181 GAATGTGGCTT CGGCTATGGGGAGATG CACA GTGTGACGTGCCCGCTGCACAGGTTTC 240
Db	365 GAATGTGGCTT CGGCTATGGGGAGATG CACA GTGTGACGTGCCCGCTGCACAGGTTTC 424
Qy	241 AAGGAGGACTGGGGCTTCCAGAAATCAAAGCCCTGTCTGGACTCGCAGTGGTGGAACCGC 300
Db	425 AAGGAGGACTGGGGCTTCCAGAAATCAAAGCCCTGTCTGGACTCGCAGTGGTGGAACCGC 484
Qy	301 TTTTCAGAAAGCA AATTTGTT CAGCCA CAGATGATGCCATCTCGGGGAGACTGCTTGGCAGGA 360
Db	485 TTTTCAGAAAGCA AATTTGTT CAGCCA CAGTGTATGCCATCTCGGGGAGACTGCTTGGCAGGA 544
Qy	361 TTTTATAGGAAGACG AAAACTTGT CGGCTTTT CAAGACATGGAGTGTGTGCCCTTTGTGGAGAC 420
Db	545 TTTTATAGGAAGACG AAAACTTGT CGGCTTTT CAAGACATGGAGTGTGTGCCCTTTGTGGAGAC 604
Qy	421 CTCCTCTCCTCTTACG AAACCGCA CTGTGCCAGCAAGGTCAA CCTCGTAGAGATCGCGTCC 480
Db	605 CCTCCTCTCCTCTTACG AAACCGCA CTGTGCCAGCAAGGTCAA CCTCGTAGAGATCGCGTCC 664
Qy	481 ACGGCCTCCAG CCCACGGGACACGGCGCTGCGCTTATCTCGACGGCTCTCGCCACC 540
Db	665 ACGGCCTCCAG CCCACGGGACACGGCGCTGCGCTTATCTCGACGGCTCTCGCCACC 724
Qy	541 GTCCTGCTGGCCCTGCTCATCTCTGTGTCTATCTATTGTAAAGACAGCTTTTATGGAGAAG 600

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 22, 2003, 21:17:37 ; Search time 255.302 Seconds
(without alignments)
9794.263 Million cell updates/sec

Title: US-09-380-276A-2
Perfect score: 1704
Sequence: 1 gggacgactagactctccaa.....gaccagagtagtactttttc 1704

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 1042519 seqs, 733713590 residues

Total number of hits satisfying chosen parameters: 2085038

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:**

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1688.4	99.1	2870	9	US-10-174-590-473 Sequence 473, App
2	1688.4	99.1	2870	9	US-10-176-758-473 Sequence 473, App
3	1688.4	99.1	2870	9	US-10-175-737-473 Sequence 473, App
4	1688.4	99.1	2870	9	US-10-173-706-473 Sequence 473, App
5	1688.4	99.1	2870	9	US-10-175-738-473 Sequence 473, App
6	1688.4	99.1	2870	9	US-10-175-752-473 Sequence 473, App
7	1688.4	99.1	2870	9	US-10-176-482-473 Sequence 473, App
8	1688.4	99.1	2870	9	US-10-176-757-473 Sequence 473, App
9	1688.4	99.1	2870	9	US-10-176-913-473 Sequence 473, App
10	1688.4	99.1	2870	9	US-10-180-552-473 Sequence 473, App
11	1688.4	99.1	2870	9	US-10-180-557-473 Sequence 473, App
12	1688.4	99.1	2870	9	US-10-173-700-473 Sequence 473, App
13	1688.4	99.1	2870	9	US-10-174-572-473 Sequence 473, App
14	1688.4	99.1	2870	9	US-10-174-579-473 Sequence 473, App
15	1688.4	99.1	2870	9	US-10-174-582-473 Sequence 473, App
16	1688.4	99.1	2870	9	US-10-174-588-473 Sequence 473, App
17	1688.4	99.1	2870	9	US-10-175-739-473 Sequence 473, App
18	1688.4	99.1	2870	9	US-10-175-740-473 Sequence 473, App
19	1688.4	99.1	2870	9	US-10-175-743-473 Sequence 473, App

ALIGNMENTS

RESULT 1

US-10-174-590-473
; Sequence 473, Application US/10174590
; Publication No. US20030009352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-174-590-473

Query Match 99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy	7	GTAGACTCTCCACAAATAATACATTTGATAAGAGATGCGCTTTAAAGTGCTACTAG 66
Db	147	GAAAGACTCTCCACAAATAATACATTTGATAAGAGATGCGCTTTAAAGTGCTACTAG 206
Qy	67	AACAAGAGAAACCGTTTTTTCACCTCTTTTAGTATTACTAGGCTATTGTGCTAAAGTGA 126
Db	207	AACAAGAGAAACCGTTTTTTCACCTCTTTTAGTATTACTAGGCTATTGTGCTAAAGTGA 266
Qy	127	CTTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTCGGAAACTGTGTTTC 186

```
Db 267 CTTGTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAAACTGTGTTTC 326
QY 187 CTTGCAACCAAGTGTGGGCGAGGATCGAGTGTGCTAAGGAATGTGGCTTCGGCTATGGGG 246
Db 327 CTTGCAACCAAGTGTGGGCGAGGATCGAGTGTGCTAAGGAATGTGGCTTCGGCTATGGGG 386
QY 247 AGGATGCACAGTGTGTGACGTGCCGGCTGCACAGTTCGAAGGAGGATGGGGCTTCCAGA 306
Db 387 AGGATGCACAGTGTGTGACGTGCCGGCTGCACAGTTCGAAGGAGGATGGGGCTTCCAGA 446
QY 307 AATGCAAGCCCTGTCTGGAGCTGGGAGTGGTGAACCGCTTTCAGAAGGCAAAATTTGTCAG 366
Db 447 AATGCAAGCCCTGTCTGGAGCTGGGAGTGGTGAACCGCTTTCAGAAGGCAAAATTTGTCAG 506
QY 367 CACACAGTGTGATGCTCTCGGGGACTGCTTGCAGGATTTTATAGGAAGAGCAAACTTG 426
Db 507 CACACAGTGTGATGCTCTCGGGGACTGCTTGCAGGATTTTATAGGAAGAGCAAACTTG 566
QY 427 TCGGCTTTCAAGACATGAGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAACCGC 486
Db 567 TCGGCTTTCAAGACATGAGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAACCGC 626
QY 487 ACTGTGCCAGCAGGTCAACCTCGTGAAGATCGCGTCCAGCGCTCCAGCCACCGGACA 546
Db 627 ACTGTGCCAGCAGGTCAACCTCGTGAAGATCGCGTCCAGCGCTCCAGCCACCGGACA 686
QY 547 CGGCGTGGCTGCGGCTTATCTGCAGCGCTCTGGCCACCGCTCTGCTGGCCCTGCTCATCC 606
Db 687 CGGCGTGGCTGCGGCTTATCTGCAGCGCTCTGGCCACCGCTCTGCTGGCCCTGCTCATCC 746
QY 607 TCTGTGTATCTATTATTAAGACAGTTTTATGGAAGAAACCCAGCTGGTCTCTGCGGT 666
Db 747 TCTGTGTATCTATTATTAAGACAGTTTTATGGAAGAAACCCAGCTGGTCTCTGCGGT 806
QY 667 CACAGACATTCAGTACAGCGCTCTGAGCTGTGCTGCTTGCACAGACCTCAGCTCCAGC 726
Db 807 CGAGGACATTCAGTACAGCGCTCTGAGCTGTGCTGCTTGCACAGACCTCAGCTCCAGC 866
QY 727 AATATGCCACAGAGCTCTGTCAGTGGCGGCTGACTCAGTGCAGACCTCGGGGCGCG 786
Db 867 AATATGCCACAGAGCTCTGTCAGTGGCGGCTGACTCAGTGCAGACCTCGGGGCGCG 926
QY 787 TGGCTTGTCCATCCATCTGTGTGAGAGGCTTGCAGGCCCAACCCGGGAGCTCTTG 846
Db 927 TGGCTTGTCCATCCATCTGTGTGAGAGGCTTGCAGGCCCAACCCGGGAGCTCTTG 986
QY 847 GTTGTGGGTGCAATCTGCAGCCAGTCTTCAGGAGAAACCGAGCCCGCGGGAGA 906
Db 987 GTTGTGGGTGCAATCTGCAGCCAGTCTTCAGGAGAAACCGAGCCCGCGGGAGA 1046
QY 907 TGTGTCCGACTTCTTCGGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 966
Db 1047 TGTGTCCGACTTCTTCGGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 1106
QY 967 GGCCTCTGATGAGAAATCCATGGGTGTGAACAATCTCTTTTGTGACTCTTATCTG 1026
Db 1107 GGCCTCTGATGAGAAATCCATGGGTGTGAACAATCTCTTTTGTGACTCTTATCTCTG 1166
QY 1027 AACTCACTGAGAGACATTCATCTCAATCCAGAACTTGAAGCTCAAGCTCTTTGG 1086
Db 1167 AACTCACTGAGAGACATTCATCTCAATCCAGAACTTGAAGCTCAAGCTCTTTGG 1226
QY 1087 ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATCTCGAAA 1146
Db 1227 ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATCTCGAAA 1286
QY 1147 ACTTTACAGAGCTACTGATTTATCTAGATATATAACAACACACTGGTAGAATCAGATCAA 1206
Db 1287 ACTTTACAGAGCTACTGATTTATCTAGATATATAACAACACACTGGTAGAATCAGATCAA 1346
QY 1207 CTCAGGATCAGTAACTATGAGAGCCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC 1266
```

```
Db 1347 CTCAGGATGCACCTAACTATGAGAAAGCCAGCTAGATCAGGAGAGTGGCCCTGTCTATCCACC 1406
QY 1267 CAGCCACTCAGACGTCCTCCAGGAAGCTTAAAGAAACCTGTCTTTCTGTCAGTAGAAGC 1326
Db 1407 CAGCCACTCAGACGTCCTCCAGGAAGCTTAAAGAAACCTGTCTTTCTGTCAGTAGAAGC 1466
QY 1327 GTGTGCTGGAAACCCAAAGAGTACTCTTTGTTAGCTTTATGAGACTGAGCAGTCTGGACCT 1386
Db 1467 GTGTGCTGGAAACCCAAAGAGTACTCTTTGTTAGCTTTATGAGACTGAGCAGTCTGGACCT 1526
QY 1387 TGCATGGCTTCTGGGGCAAAATAAATCTGAACCAAACTGACGGCATTTGAAGCCTTTCA 1446
Db 1527 TGCATGGCTTCTGGGGCAAAATAAATCTGAACCAAACTGACGGCATTTGAAGCCTTTCA 1586
QY 1447 GCCAGTTCCTTCTGAGCCAGACCCAGCTGTAAGCTGAAACCTCAATGAATAACAAGAAAG 1506
Db 1587 GCCAGTTCCTTCTGAGCCAGACCCAGCTGTAAGCTGAAACCTCAATGAATAACAAGAAAG 1646
QY 1507 ACTCAGGCCGACATCATGATACTCTGCACTTTTCTACATGAGAAAGCTTCTCTGCCACAA 1566
Db 1647 ACTCAGGCCGACATCATGATACTCTGCACTTTTCTACATGAGAAAGCTTCTCTGCCACAA 1706
QY 1567 AAGTGACTTCAAGACGATGAGTGGTGGCTGAGCTGCGAGCTTATGAGATTGTTGACATATAACA 1626
Db 1767 AAGTGACTTCAAGACGATGAGTGGTGGCTGAGCTGCGAGCTTATGAGATTGTTGACATATAACA 1766
QY 1627 AGAAACAGAAATGCCCTCATGCTTATTTTCAATGGTGATTGTTGTTTACAAGACTGAAGA 1686
Db 1767 AGAAACAGAAATGCCCTCATGCTTATTTTCAATGGTGATTGTTGTTTACAAGACTGAAGA 1826
QY 1687 CCCAGAGTATACTTTTTC 1704
Db 1827 CCCAGAGTATACTTTTTC 1844
```

RESULT 2

```
US-10-176-758-473
; Sequence 473, Application US/10176758
; Publication No. US2003008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-758-473
```

```
Query Match 99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 7 GTAGAACTCTCCAAACAATAATACATTTGATAAGAAAGATGGCTTTAAAGTGTCTACTAG 66
Db 147 GAAGAACTCTCCAAACAATAATACATTTGATAAGAAAGATGGCTTTAAAGTGTCTACTAG 206
QY 67 AACAGAGAAACGCTTTTTCATCTTTTAGTATTACTAGGCTATTGTCATGTAAGTGA 126
```

Db 207 AACAGAGAAAACGTTTTCACTCTTTTAGTATTACTAGGCTATTGTTCATGTAAGTGA 266
Qy 127 CTTGTGAACAGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTTT 186
Db 267 CTTGTGAATCAGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTTT 326
Qy 187 CCTGCAACCAAGTGTGGGCGAGCATGGAGTTGCTTAAGGAATGTGGCTTCGGCTATGGGG 246
Db 327 CCTGCAACCAAGTGTGGGCGAGCATGGAGTTGCTTAAGGAATGTGGCTTCGGCTATGGGG 386
Qy 247 AGGATGCACAGTGTGAGCTGCCGGCTGACAGGTTCAAGAGAGACTGGGGCTTCCAGA 306
Db 387 AGGATGCACAGTGTGAGCTGCCGGCTGACAGGTTCAAGAGAGACTGGGGCTTCCAGA 446
Qy 307 AATGCAAGCCCTGTCTGGACTCGCAGTGTGGAACCGCTTTTCAGAAAGCAAAATGCTTCAG 366
Db 447 AATGCAAGCCCTGTCTGGACTCGCAGTGTGGAACCGCTTTTCAGAAAGCAAAATGCTTCAG 506
Qy 367 CCACCAAGTATGCCATCTCGCGGGGACTGCTTCCAGGATTTTATAGGAAGACGAAACTTG 426
Db 507 CCACCAAGTATGCCATCTCGCGGGGACTGCTTCCAGGATTTTATAGGAAGACGAAACTTG 566
Qy 427 TCGGCTTTCAAGACATGAGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAACCGC 486
Db 567 TCGGCTTTCAAGACATGAGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAACCGC 626
Qy 487 ACTGTGCCAGCAAGTCAACCTCTGAGATCGGTCCAGCGCTCCAGCGCTCCAGCGCCACGGGACA 546
Db 627 ACTGTGCCAGCAAGTCAACCTCTGAGATCGGTCCAGCGCTCCAGCGCTCCAGCGCCACGGGACA 686
Qy 547 CGGCGTGGCTCGCGTTATCTGACGGCTCTGCGCCACCGTCTGCTGGCCCTGCTCATCC 606
Db 687 CGGCGTGGCTCGCGTTATCTGACGGCTCTGCGCCACCGTCTGCTGGCCCTGCTCATCC 746
Qy 607 TCTGTGTCATCTATTGTAGAGACAGTTTATGGAGAGAAACCCAGCTGCTCTGCGGT 666
Db 747 TCTGTGTCATCTATTGTAGAGACAGTTTATGGAGAGAAACCCAGCTGCTCTGCGGT 806
Qy 667 CACAGACATTCAGTACAGCGCTCTGAGCTGTGCTGCTTCACAGACCTCAGCTCCAG 726
Db 807 CCGAGACATTCAGTACAGCGCTCTGAGCTGTGCTGCTTCACAGACCTCAGCTCCAG 866
Qy 727 AATATGCCACAGAGCTCTGCCAGTGGCGCGTGACTCAGTGCAGAGCTCGCGGCGCG 786
Db 867 AATATGCCACAGAGCTCTGCCAGTGGCGCGTGACTCAGTGCAGAGCTCGCGGCGCG 926
Qy 787 TGGCGTGTCCATCCATGTGTGAGAGGCTTGACGCCCAACCCGCGGACTCTTTG 846
Db 927 TGGCGTGTCCATCCATGTGTGAGAGGCTTGACGCCCAACCCGCGGACTCTTTG 986
Qy 847 GTTGTGGGCTGATCTGAGCCAGTCTTCAGGCAAGAAACCCAGCGCCAGCGGGGAGA 906
Db 987 GTTGTGGGCTGATCTGAGCCAGTCTTCAGGCAAGAAACCCAGCGCCAGCGGGGAGA 1046
Qy 907 TGGTGGCGACTTTCTTCGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 966
Db 1047 TGGTGGCGACTTTCTTCGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 1106
Qy 967 GGCCTCTGATGAGAAATCCATGGGTGGTGAACAATCTCTTTTGTGACTCTTATCTG 1026
Db 1107 GGCCTCTGATGAGAAATCCATGGGTGGTGAACAATCTCTTTTGTGACTCTTATCTG 1166
Qy 1027 AACTACTGAGAGACATTCATCTCAATCCAGAACTTCAAGCTCAAGCTCTTTGG 1086
Db 1167 AACTACTGAGAGACATTCATCTCAATCCAGAACTTCAAGCTCAAGCTCTTTGG 1226
Qy 1087 ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATTTCTGAAA 1146
Db 1227 ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATTTCTGAAA 1286
Qy 1147 ACTTTACAGAGCTACTGATTTATCTAGATATATAACACACTGGTGAATCAGCATCAA 1206

Db 1287 ACTTTACAGCAGCTACTGATTTATCTAGATATAACAACACACTGGTGAATCAGCATCAA 1346
Qy 1207 CTCAGGATGCATAACTATGAGAAGCCAGCTAGATCAGGAGTGGCGCTATCATCCACC 1266
Db 1347 CTCAGGATGCATAACTATGAGAAGCCAGCTAGATCAGGAGTGGCGCTATCATCCACC 1406
Qy 1267 CAGCCACTCAGACCTCCCTCCAGGAAGCTTAAAGAACTGCTTTCTTCTGAGTAGAAGC 1326
Db 1407 CAGCCACTCAGACCTCCCTCCAGGAAGCTTAAAGAACTGCTTTCTTCTGAGTAGAAGC 1466
Qy 1327 GTGTGCTGGACCCAAAGAGTACTCTCTTTGTTAGGCTTATGAGTGAAGCTCTGGACCT 1386
Db 1467 GTGTGCTGGACCCAAAGAGTACTCTCTTTGTTAGGCTTATGAGTGAAGCTCTGGACCT 1526
Qy 1387 TGCATGGCTTCTGGGCGAAATAAATCTGAACCAAACTGACGGCATTTGAAGCTCTTCA 1446
Db 1527 TGCATGGCTTCTGGGCGAAATAAATCTGAACCAAACTGACGGCATTTGAAGCTCTTCA 1586
Qy 1447 GCCAGTTGCTTCTGAGCCAGACCCAGCTGTAAAGCTGAAACCTCAATGAATAACAAGAAAG 1506
Db 1587 GCCAGTTGCTTCTGAGCCAGACCCAGCTGTAAAGCTGAAACCTCAATGAATAACAAGAAAG 1646
Qy 1507 ACTCAGGCCGACTCATGATACTCTGCATCTTTCTTCTACATGAGAAGCTTCTGCCCAA 1566
Db 1647 ACTCAGGCCGACTCATGATACTCTGCATCTTTCTTCTACATGAGAAGCTTCTGCCCAA 1706
Qy 1567 AAGTGACTTCAAGACCGATGGTGTGAGCTGGCAGCTTATGAGATTTGGACATATAACA 1626
Db 1707 AAGTGACTTCAAGACCGATGGTGTGAGCTGGCAGCTTATGAGATTTGGACATATAACA 1766
Qy 1627 AGAAACAGAAATGCCCTCATGCTTATTTTCATGAGTGTGGTTTTCAGAGCTGAAGA 1686
Db 1767 AGAAACAGAAATGCCCTCATGCTTATTTTCATGAGTGTGGTTTTCAGAGCTGAAGA 1826
Qy 1687 CCCAGATATATCTTTTTC 1704
Db 1827 CCCAGATATATCTTTTTC 1844

RESULT 3
US-10-175-737-473
; Sequence 473, Application US/10175737
; Publication No. US20030013153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C50
; CURRENT APPLICATION NUMBER: US/10/175,737
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-737-473

Query Match 99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 7 GTGAAGCTCTCCAAACAATAATACATTTGTATAAGAAAGATGGCTTTTAAAGTGTACTAG 66

[illegible]

; ORGANISM: Homo Sapien
US-10-175-738-473

Query Match	99.1%	Score 1688.4;	DB 9;	Length 2870;
Best Local Similarity	99.6%	Pred. No. 0;		

Qy	7	GTAGAACTCTCCAAACAATAATCATTTGTGATAGAAAGATGGCTTTTAAAGTGCTACTAG	66
Db	147	GAAGAACTCTCCAAACAATAATCATTTGTGATAGAAAGATGGCTTTTAAAGTGCTACTAG	206
Qy	67	AACAAGAGAAAAAGTCTTTTCACTCTTTTAGTATTACTAGGCTATTGTCTCATGTAAAGTGA	126
Db	207	AACAAGAGAAAAAGTCTTTTCACTCTTTTAGTATTACTAGGCTATTGTCTCATGTAAAGTGA	266
Qy	127	CTTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAAACTGTGTTC	186
Db	267	CTTGTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAAACTGTGTTC	326
Qy	187	CTTGCAACCAAGTGTGGCCAGGCATGAGTTGCTTAGGGAATGTGGCTTCGGCTATGGGG	246
Db	327	CTTGCAACCAAGTGTGGCCAGGCATGAGTTGCTTAGGGAATGTGGCTTCGGCTATGGGG	386
Qy	247	AGGATGCACAGTGTGTGACGTGCCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCCAGA	306
Db	387	AGGATGCACAGTGTGTGACGTGCCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCCAGA	446
Qy	307	AATGCAAGCCCTGTCTGGACTGCGCAGTGGTGAACCGCTTTCAGAAGGCAAAATGTTCAG	366
Db	447	AATGCAAGCCCTGTCTGGACTGCGCAGTGGTGAACCGCTTTCAGAAGGCAAAATGTTCAG	506
Qy	367	CCACCAAGTGATGCCATCTCGGGGAGCTGCTTGCAGGATTTTATAGGAAGACGAAACTTG	426
Db	507	CCACCAAGTGATGCCATCTCGGGGAGCTGCTTGCAGGATTTTATAGGAAGACGAAACTTG	566
Qy	427	TCGGCTTTCAAGACATGGAGTGTGTGCTTGTGGAGACCTCTCTCTCTTACGAACCGC	486
Db	567	TCGGCTTTCAAGACATGGAGTGTGTGCTTGTGGAGACCTCTCTCTCTTACGAACCGC	626
Qy	487	ACTGTGCCAGCAAGGTCAACTCGTGAAGATCGCGTCCAGCGCTCCAGCGCCACGCGGACA	546
Db	627	ACTGTGCCAGCAAGGTCAACTCGTGAAGATCGCGTCCAGCGCTCCAGCGCCACGCGGACA	686
Qy	547	CGCGCGCTGGCTCGCGTTATCTGCAGCGCTCTGGCCACCGTCTCTGTCGGCCCTGCTCATCC	606
Db	687	CGCGCGCTGGCTCGCGTTATCTGCAGCGCTCTGGCCACCGTCTCTGTCGGCCCTGCTCATCC	746
Qy	607	TCTGTGTCACTATTGTGAAGACAGTTTATGGAGAGAAACCCAGCTGCTCTCGGCT	666
Db	747	TCTGTGTCACTATTGTGAAGACAGTTTATGGAGAGAAACCCAGCTGCTCTCGGCT	806
Qy	667	CACAGGACATTCAGTACAAACGGCTCTCAGCTGTCTGTCTTTGACAGACCTCAGCTCCACG	726
Db	807	CGCAGGACATTCAGTACAAACGGCTCTCAGCTGTCTGTCTTTGACAGACCTCAGCTCCACG	866
Qy	727	AATATGCCCAACAGACCTGTCTGCAGTGCCTGCGCCGTGACTCAGTGCAGACCTCGGGGCGG	786
Db	867	AATATGCCCAACAGACCTGTCTGCAGTGCCTGCGCCGTGACTCAGTGCAGACCTCGGGGCGG	926
Qy	787	TGGCTTGTCTCCATCCATGCTGTGAGGAGGCTCAGCCCCCAACCCCGCGACTCTTG	846
Db	927	TGGCTTGTCTCCATCCATGCTGTGAGGAGGCTCAGCCCCCAACCCCGCGACTCTTG	986
Qy	847	GTTGTGGGTGCATTTCTGCAGCCAGTCTTACAGGCAAGAAACGCAAGGCCACCGCGGGAGA	906
Db	987	GTTGTGGGTGCATTTCTGCAGCCAGTCTTACAGGCAAGAAACGCAAGGCCACCGCGGGAGA	1046
Qy	907	TGTTGCCGACTTCTTCCGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTTCAGATGSCCT	966
Db	1047	TGTTGCCGACTTCTTCCGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTTCAGATGSCCT	1106
Qy	967	GGCCTCTGATGCAGAAATCCCATGGGTGGTGAACAATCTCTCTTTTGTGACTCTTATCTTG	1026


```

RESULT 8
US-10-176-757-473
; Sequence 473, Application US/10176757
; Publication No. US2003002297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goodard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.

```



```

; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC153
; CURRENT APPLICATION NUMBER: US/10/180,552
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-180-552-473

Query Match          99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY  7  GTAGAACTCTCCAAACAATAATACATTTGATAAGAAAGATGGCTTTAAAAGTGCTACTAG 66
DB  147  GAAGAACTCTCCAAACAATAATACATTTGATAAGAAAGATGGCTTTAAAAGTGCTACTAG 206

QY  67  AACAGAGAAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTGATGAAAGTGA 126
DB  207  AACAGAGAAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTGATGAAAGTGA 266

QY  127  CTTGTGAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTTT 186
DB  267  CTTGTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTTT 326

QY  187  CTTGCAACAGGTGGGCGAGCATGGAGTGTCTTAAGAAATGGCTTCGGCTATGGGG 246
DB  327  CTTGCAACAGGTGGGCGAGCATGGAGTGTCTTAAGAAATGGCTTCGGCTATGGGG 386

QY  247  AGGATGCAAGTGTGTGACGTGCGGCTGCACAGGTTCAAGAGAGACTGGGGCTTCCAGA 306
DB  387  AGGATGCAAGTGTGTGACGTGCGGCTGCACAGGTTCAAGAGAGACTGGGGCTTCCAGA 446

QY  307  AATGCAAGCCCTGTCTGGACTGCGGAGTGGTGAACCGCTTTTCAAGAGCAAAATGTTTCAG 366
DB  447  AATGCAAGCCCTGTCTGGACTGCGGAGTGGTGAACCGCTTTTCAAGAGCAAAATGTTTCAG 506

QY  367  CCACAGGTGATGCCATCTCGGGGACTGCTTCCAGGATTTTATAGGAAGACGAACTTG 426
DB  507  CCACAGGTGATGCCATCTCGGGGACTGCTTCCAGGATTTTATAGGAAGACGAACTTG 566

QY  427  TCGGCTTTCAAGACATGAGAGTGTGCTTTGTGGAGACCTCTCTCTCTTACGAACCGC 486
DB  567  TCGGCTTTCAAGACATGAGAGTGTGCTTTGTGGAGACCTCTCTCTCTTACGAACCGC 626

QY  487  ACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGGTCCACGGCTTCCAGGCCACGGGACA 546
DB  627  ACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGGTCCACGGCTTCCAGGCCACGGGACA 686

QY  547  CGGCGCTGCGCTCCGCTTATCTGACGCGCTCTGGCCACCGCTCTGCTGGCCCTGCTCATCC 606
DB  687  CGGCGCTGCGCTCCGCTTATCTGACGCGCTCTGGCCACCGCTCTGCTGGCCCTGCTCATCC 746

QY  607  TCTGTGTATCTATTGTGAAGACAGCTTTATGGAGAGAAACCCAGCTGGTCTCTGCGGT 666
DB  747  TCTGTGTATCTATTGTGAAGACAGCTTTATGGAGAGAAACCCAGCTGGTCTCTGCGGT 806

QY  667  CACAGGACATTCAGTACAACGGCTCTGAGCTGTGCTTGTGACAGACTCAGCTCCAGG 726

```

```

DB  807  CGCAGGACATTTCACTCAACACGGCTCTGAGCTGTGCTGTTTTTGACAGACCTCAGCTCCAAG 866
QY  727  AATATGCCACAGAGCTGTGCTGCCAGTCCCGCTGACTCAGTGCAGACCTTGGCGGCGG 786
DB  867  AATATGCCACAGAGCTGTGCTGCCAGTCCCGCTGACTCAGTGCAGACCTTGGCGGCGG 926
QY  787  TGGCTTTGCTCCCATCATGTGCTGTGAGGAGGCTTGCAGCCCCCAACCCGCGAGCTCTTG 846
DB  927  TGGCTTTGCTCCCATCATGTGCTGTGAGGAGGCTTGCAGCCCCCAACCCGCGAGCTCTTG 986
QY  847  GTTGTGGGGTGCAATCTTGCAGCCAGTCTTCAAGCAAGAAACGAGCCAGCCCGGGGAGA 906
DB  987  GTTGTGGGGTGCAATCTTGCAGCCAGTCTTCAAGCAAGAAACGAGCCAGCCCGGGGAGA 1046
QY  907  TGGTGCCGACATTTCTTCGGATCCCTCACGAGTCCATCTGTGGGAGTTTTTCAAGTGCCT 966
DB  1047  TGGTGCCGACATTTCTTCGGATCCCTCACGAGTCCATCTGTGGGAGTTTTTCAAGTGCCT 1106
QY  967  GGCCTCTGTATGCAAGATCCCATGGGTGGTGACAAACATCTCTTTTTTGTGACTCTTATCCTG 1026
DB  1107  GGCCTCTGTATGCAAGATCCCATGGGTGGTGACAAACATCTCTTTTTTGTGACTCTTATCCTG 1166
QY  1027  AACTCAGCTGGAGAGACATTTCTCTCAATCCAGAACTTGAAGCTCAACGCTCTTTGG 1086
DB  1167  AACTCAGCTGGAGAGACATTTCTCTCAATCCAGAACTTGAAGCTCAACGCTCTTTGG 1226
QY  1087  ATTCAAATAGCAGTCAAGATTTGGTGGGGCTGTTCAGTCCAGTCTCATTTCTGAAA 1146
DB  1227  ATTCAAATAGCAGTCAAGATTTGGTGGGGCTGTTCAGTCCAGTCTCATTTCTGAAA 1286
QY  1147  ACTTTACAGCAGCTACTGATTTTATCTAGATATAACAAACACTGGTGAATCAGATCAA 1206
DB  1287  ACTTTACAGCAGCTACTGATTTTATCTAGATATAACAAACACTGGTGAATCAGATCAA 1346
QY  1207  CTCAGGATGACATAACTATGAGAGCCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC 1266
DB  1347  CTCAGGATGACATAACTATGAGAGCCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC 1406
QY  1267  CAGCCACTCAGACCTCCCTCCAGGAAGCTTAAAGAACTGCTTCTTCTGCAAGTAGAAGC 1326
DB  1407  CAGCCACTCAGACCTCCCTCCAGGAAGCTTAAAGAACTGCTTCTTCTGCAAGTAGAAGC 1466
QY  1327  GTGTGCTGGAACCCAAAGAGTACTCTTTTGTGTTAGGCTTATGGAATGAGAGCTCTGGACCT 1386
DB  1467  GTGTGCTGGAACCCAAAGAGTACTCTTTTGTGTTAGGCTTATGGAATGAGAGCTCTGGACCT 1526
QY  1387  TGCATGGCTTCTGGGGCAAAATAAATCTGAACCAAACTGACGCAATTTGAAGCTTTCA 1446
DB  1527  TGCATGGCTTCTGGGGCAAAATAAATCTGAACCAAACTGACGCAATTTGAAGCTTTCA 1586
QY  1447  GCCAGTTGCTTCTGAGCCAGACCAAGCTGTAAAGCTGAAACCTCAATGAATAACAAAGAAAG 1506
DB  1587  GCCAGTTGCTTCTGAGCCAGACCAAGCTGTAAAGCTGAAACCTCAATGAATAACAAAGAAAG 1646
QY  1507  ACTCCAGCCGACCTCATGATATCTCTGATCTTTTCTCATATGAGAGCTTCTCTGCCCAA 1566
DB  1647  ACTCCAGCCGACCTCATGATATCTCTGATCTTTTCTCATATGAGAGCTTCTCTGCCCAA 1706
QY  1567  AAGTGACTTCAAGACCGAGTGGTTGAGCTGGGAGCCCTATGAGATTTGGGACATATAACA 1626
DB  1707  AAGTGACTTCAAGACCGAGTGGTTGAGCTGGGAGCCCTATGAGATTTGGGACATATAACA 1766
QY  1627  AGAAACAGAAATGCCCTCATGCTTTATTTTTCATGTGTGATTTGTGGTTTTTCAAGACTGAAGA 1686
DB  1767  AGAAACAGAAATGCCCTCATGCTTTATTTTTCATGTGTGATTTGTGGTTTTTCAAGACTGAAGA 1826
QY  1687  CCCAGAGTATACTTTTTTC 1704
DB  1827  CCCAGAGTATACTTTTTTC 1844

```

Db	747	TCGTGTCATCTATTGTAAGAGACAGTTTATGAGAAGAAACCCAGCTGTGCTCTCGCGT	806
Qy	667	CACAGACATTCAGTACAAACGGCTCTGAGCTGTGCTGTGTGACAGACCTCAGCTCCACG	726
Db	807	CGCAGGACATTCAGTACAAACGGCTCTGAGCTGTGCTGTGTGTGACAGACCTCAGCTCCACG	866
Qy	727	AATATGCCACACAGAGCTGTGCCAGTGGCCGCTGACTCAGTGCAGACCTCGGGGCCGG	786
Db	867	AATATGCCACACAGAGCTGTGCCAGTGGCCGCTGACTCAGTGCAGACCTCGGGGCCGG	926
Qy	787	TGCGCTTGCTCCCATCCATGTGCTGTGAGGAGCCCTGCAGCCCCAACCCCGCGACTCTTG	846
Db	927	TGCGCTTGCTCCCATCCATGTGCTGTGAGGAGCCCTGCAGCCCCAACCCCGCGACTCTTG	986
Qy	847	GTGTGGGGTGCAATCTTGACGACAGTCTTCAGGCAAGAAACGACGAGCCACCGGGGAGA	906
Db	987	GTGTGGGGTGCAATCTTGACGACAGTCTTCAGGCAAGAAACGACGAGCCACCGGGGAGA	1046
Qy	907	TGTTGCCGACTTCTTTCGGATCCCTCAGCGAGTCCATCTGTGGCGAGTCTTTCAGATGCGCT	966
Db	1047	TGTTGCCGACTTCTTTCGGATCCCTCAGCGAGTCCATCTGTGGCGAGTCTTTCAGATGCGCT	1106
Qy	967	GGCCTCTGATGCAGAAATCCCATGGGTGGTGACAACATCTCTTTTGTGTGACTCTTATCTCTG	1026
Db	1107	GGCCTCTGATGCAGAAATCCCATGGGTGGTGACAACATCTCTTTTGTGTGACTCTTATCTCTG	1166
Qy	1027	AACCTCACTGAGAGACATTCATCTCTCAATCCAGAACCTTGAAGAGCTCAACGCTCTTTGG	1086
Db	1167	AACCTCACTGAGAGACATTCATCTCTCAATCCAGAACCTTGAAGAGCTCAACGCTCTTTGG	1226
Qy	1087	ATTCAAATAGCAGTCAAGATTGGTTGGTGGGGCTGTTCAGTCCAGTCTCATTTCTGAAA	1146
Db	1227	ATTCAAATAGCAGTCAAGATTGGTTGGTGGGGCTGTTCAGTCCAGTCTCATTTCTGAAA	1286
Qy	1147	ACTTTACAGCAGCTACTGATTTATCTAGATATATAACACACACTGGTAGAATCAGCATCAA	1206
Db	1287	ACTTTACAGCAGCTACTGATTTATCTAGATATATAACACACACTGGTAGAATCAGCATCAA	1346
Qy	1207	CTCAGGATGCATTAACCTATGAGAAGCCAGCTAGATCAGGAGAGTGGCGCTTATCATCCACC	1266
Db	1347	CTCAGGATGCATTAACCTATGAGAAGCCAGCTAGATCAGGAGAGTGGCGCTTATCATCCACC	1406
Qy	1267	CAGCCACTCAGAGTCCCTCCAGGAAGCTTAAAGAACCTGCTCTTTCTGCGAGTAGAAGC	1326
Db	1407	CAGCCACTCAGAGTCCCTCCAGGAAGCTTAAAGAACCTGCTCTTTCTGCGAGTAGAAGC	1466
Qy	1327	GTGTGCTGGAACCCAAAGAGTACTCTCTTCTGTAGGCTTATGGAAGTGGAGCTGTGGACCT	1386
Db	1467	GTGTGCTGGAACCCAAAGAGTACTCTCTTCTGTAGGCTTATGGAAGTGGAGCTGTGGACCT	1526
Qy	1387	TGCATGGCTTCTGGGGCAAAAATAAATCTGAAACCAACTCAGCGCACTTTGAAAGCTTTTCA	1446
Db	1527	TGCATGGCTTCTGGGGCAAAAATAAATCTGAAACCAACTCAGCGCACTTTGAAAGCTTTTCA	1586
Qy	1447	GCCAGTTGCTTCTGAGCCAGACCGAGCTGTAAAGCTGAAACCTCAATGAATTAACAGAAAG	1506
Db	1587	GCCAGTTGCTTCTGAGCCAGACCGAGCTGTAAAGCTGAAACCTCAATGAATTAACAGAAAG	1646
Qy	1507	ACTCCAGCCGACTCATGATACTCTGCATCTTTCTTACATGAGAAGCTTCTCTGCCACAA	1566
Db	1647	ACTCCAGCCGACTCATGATACTCTGCATCTTTCTTACATGAGAAGCTTCTCTGCCACAA	1706
Qy	1567	AAGTGACTTCAAAGACGGATGGGTGTAGCTGGCAGCCCTATGAGATTGTGACATATAAACA	1626
Db	1707	AAGTGACTTCAAAGACGGATGGGTGTAGCTGGCAGCCCTATGAGATTGTGACATATAAACA	1766
Qy	1627	AGAAACAGAAATGCCCTCATGCTTATTTTTCATGGTGAATGTGGTTTTTACAAGACTGAAGA	1686
Db	1767	AGAAACAGAAATGCCCTCATGCTTATTTTTCATGGTGAATGTGGTTTTTACAAGACTGAAGA	1826
Qy	1687	CCCAGAGTACTATTTTTTC	1704
Db	1827	CCCAGAGTACTATTTTTTC	1844

RESULT 12

US-10-173-700-473
; Sequence 473, Application US/10173700
; Publication No. US20030027262A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P34301C14
; CURRENT APPLICATION NUMBER: US/10/173,700
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-173-700-473

Query Match 99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 7 GTAGAACTCTCAACAATAATACATTTGATGAAGAAAGATGCTTTAAAGTGCTACTAG 66
DB 147 GAAGAAGCTCTCAACAATAATACATTTGATGAAGAAAGATGCTTTAAAGTGCTACTAG 206
QY 67 AACAGAGAAAAGCTTTTCACTCTTTAGTATTACTAGGCTATTGTGCATGTAAGTGA 126
DB 207 AACAGAGAAAAGCTTTTCACTCTTTAGTATTACTAGGCTATTGTGCATGTAAGTGA 266
QY 127 TTGTGAAAACAGGAGACTGTAGACAGCAAGAAATTCAGGAGTCGGTCTGGAACATGTGTC 186
DB 267 CTGTGAAATCAGGAGACTGTAGACAGCAAGAAATTCAGGAGTCGGTCTGGAACATGTGTC 326
QY 187 CTTGCAACAGTGTGGCCAGGATCGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGG 246
DB 327 CTTGCAACAGTGTGGCCAGGATCGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGG 386
QY 247 AGGATGCAAGTGTGTGAGCTCCGGCTGCACAGGTTCAAGGAGACTGGGGCTTCCAGA 306
DB 387 AGGATGCAAGTGTGTGAGCTCCGGCTGCACAGGTTCAAGGAGACTGGGGCTTCCAGA 446
QY 307 AATGCAAGCCCTGTCTGGAATCTGCGAGTGTGGAACCGCTTTTCAGAAAGCAAAATGTTTCAG 366
DB 447 AATGCAAGCCCTGTCTGGAATCTGCGAGTGTGGAACCGCTTTTCAGAAAGCAAAATGTTTCAG 506
QY 367 CCACAGTGTATGCCATCTCGGGGAGCTGTTCGCAAGATTTTATAGGAAGACGAAACTTG 426
DB 507 CCACAGTGTATGCCATCTCGGGGAGCTGTTCGCAAGATTTTATAGGAAGACGAAACTTG 566
QY 427 TCGGCTTTCAAGACATGGAGTGTGTGCTTTGTGGAGACCTCTCTCTCTTACGAACCGC 486
DB 567 TCGGCTTTCAAGACATGGAGTGTGTGCTTTGTGGAGACCTCTCTCTCTTACGAACCGC 626
QY 487 ACTGTGCCAGCAAGTCAACCTCGTGAAGATCGCGTCCACGCGCTCCAGCCACCGGAGCA 546
DB 627 ACTGTGCCAGCAAGTCAACCTCGTGAAGATCGCGTCCACGCGCTCCAGCCACCGGAGCA 686
QY 547 CGGCGTGTGCGCGTTATCTCGAGCGTCTGGCCACCGTCTGCTGCGCGCTGCTCATCC 606

DB 687 CGGCGTGTGCGCGTTATCTGCAGCGCTCTGCGCAACCGCTGCTGCTGCGCGCTGCTCATCC 746
QY TCTGTGTATCTATTGTAGAGACAGTTTATGAGAGAAACCCAGCTGGTCTCTCGGGT 666
DB 747 TCTGTGTATCTATTGTAGAGACAGTTTATGAGAGAAACCCAGCTGGTCTCTCGGGT 806
QY 667 CACAGGACATTTCAGTCAACAGCGCTCTCAGCTGTCTGTCTGTGACAGACCTCAGTCCACG 726
DB 807 CGCAGGACATTTCAGTCAACAGCGCTCTCAGCTGTCTGTCTGTGACAGACCTCAGTCCACG 866
QY 727 AATATGCCACAGAGCGCTGCTCCAGTCCGCGCTGACTCAGTGCAGACCTGCGGGCGG 786
DB 867 AATATGCCACAGAGCGCTGCTCCAGTCCGCGCTGACTCAGTGCAGACCTGCGGGCGG 926
QY 787 TGCCTTGTCTCCCATCTCATGTGTGAGGAGGCTGCGAGCCCAACCCGCGGACTCTTG 846
DB 927 TGCCTTGTCTCCCATCTCATGTGTGAGGAGGCTGCGAGCCCAACCCGCGGACTCTTG 986
QY 847 GTTGTGGGTGCATTTCTGCAGCCAGTCTTCAGGCAAGAAACGAGGCCCGAGCCGGGAGA 906
DB 987 GTTGTGGGTGCATTTCTGCAGCCAGTCTTCAGGCAAGAAACGAGGCCCGAGCCGGGAGA 1046
QY 907 TGGTGCCGACTTTCTTCCGATCCCTCAGCGAGTCCATCTGTGGGAGTCTTTCAGATGCT 966
DB 1047 TGGTGCCGACTTTCTTCCGATCCCTCAGCGAGTCCATCTGTGGGAGTCTTTCAGATGCT 1106
QY 967 GGCCTCTGATGAGAAATCCCATGGGTGTGACAAACATCTCTTTTGTGACTCTTATCTG 1026
DB 1107 GGCCTCTGATGAGAAATCCCATGGGTGTGACAAACATCTCTTTTGTGACTCTTATCTG 1166
QY 1027 AACTCAGTGGAGAAAGCAATTCATTTCTCAATCAGAACTTTGAAAGTCTCAACGCTTTGG 1086
DB 1167 AACTCAGTGGAGAAAGCAATTCATTTCTCAATCAGAACTTTGAAAGTCTCAACGCTTTGG 1226
QY 1087 ATTCAATAGCAGTCAAGATTTGGTGGTGGGCTGTTCAGTCCAGTCTCATTTCTGAAA 1146
DB 1227 ATTCAATAGCAGTCAAGATTTGGTGGTGGGCTGTTCAGTCCAGTCTCATTTCTGAAA 1286
QY 1147 ACTTTACAGCAGTACTGATTTATCTAGATATAACACACACTGCTAGAAATCAGCATCAA 1206
DB 1287 ACTTTACAGCAGTACTGATTTATCTAGATATAACACACACTGCTAGAAATCAGCATCAA 1346
QY 1207 CTCAGGATGCACTAACTATGAGAAAGCAGCTAGATCAGGAGAGTGGGCTATCATCCACC 1266
DB 1347 CTCAGGATGCACTAACTATGAGAAAGCAGCTAGATCAGGAGAGTGGGCTGTCTCATCCACC 1406
QY 1267 CAGCCACTCAGACCTCCCTCCAGGAAGCTTAAAGAACTGCTTCTGTCAGTAGAGC 1326
DB 1407 CAGCCACTCAGACCTCCCTCCAGGAAGCTTAAAGAACTGCTTCTTCTGTCAGTAGAAGC 1466
QY 1327 GTGTGCTGGAAACCCAAAGAGTACTCTCTTTGTTAGGCTTATGGAAGTCTGAGACCT 1386
DB 1467 GTGTGCTGGAAACCCAAAGAGTACTCTCTTTGTTAGGCTTATGGAAGTCTGAGACCT 1526
QY 1387 TGCATGCTTCTGGGCAAAATAAATCTGAACCAAACTGACGGCAATTTGAAGCTTTTCA 1446
DB 1527 TGCATGCTTCTGGGCAAAATAAATCTGAACCAAACTGACGGCAATTTGAAGCTTTTCA 1586
QY 1447 GCGATGCTTCTGAGCCAGACAGCTGTAGCTGGAACCTCAATGATATACAGAAAG 1506
DB 1587 GCCAGTGTCTTCTGAGCCAGACAGCTGTAGCTGGAACCTCAATGATATACAGAAAG 1646
QY 1507 ACTCAGGCCGACTCATGATCTCTGATCTTTTCTCATCATGAGAGCTTCTCTGCAAA 1566
DB 1647 ACTCAGGCCGACTCATGATCTCTGATCTTTTCTCATCATGAGAGCTTCTCTGCAAA 1706
QY 1567 AAGTGAATTTCAAGACGAGTGGTGTGAGCTGGAGCCTATGAGATTTGGAACATATAACA 1626
DB 1707 AAGTGAATTTCAAGACGAGTGGTGTGAGCTGGAGCCTATGAGATTTGGAACATATAACA 1766
QY 1627 AGAAACAGAAATGCCCTCATGCTTTATTTTCAATGATTTGTTTACAGACTGAGA 1686
DB 1767 AGAAACAGAAATGCCCTCATGCTTTATTTTCAATGATTTGTTTACAGACTGAGA 1826

QY	1687	CCAGAGTATACCTTTTC	1704	Db	627	ACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGCGTCCACGCGCTCCAGCCACCGGACA	686
Db	1827	CCCAGAGTATACCTTTTC	1844	QY	547	CGGCGCTGGCTGCGGTTATCTGCAAGCGCTCTGGGCCACCGTCTGCTGCGCCCTGCTCATCC	606
				Db	687	CGGCGCTGGCTGCGGTTATCTGCAAGCGCTCTGGGCCACCGTCTGCTGCGCCCTGCTCATCC	746
				QY	607	TCTGTGTCATCTATTTGTAAGAGACAGTTTATGGAAGAGAAAACCCAGCTGGTCTCTGCGGT	666
				Db	747	TCTGTGTCATCTATTTGTAAGAGACAGTTTATGGAAGAGAAAACCCAGCTGGTCTCTGCGGT	806
				QY	667	CACAGACATTTCAAGTACAAACGCGCTCTGAGCTGTGCTGTCTTGCACAGACCTCAGCTCCACG	726
				Db	807	CGCAGACATTTCAAGTACAAACGCGCTCTGAGCTGTGCTGTGTTTGACAGACCTCAGCTCCACG	866
				QY	727	AATATGCCACAGAGCCTGTGCCAGTCCCGCGTGACTCAGTGCAGACCTTGCAGGCGCGG	786
				Db	867	AATATGCCACAGAGCCTGTGCCAGTCCCGCGTGACTCAGTGCAGACCTTGCAGGCGCGG	926
				QY	787	TGCGCTTGTCTCCCATCCATGCTGTGAGGAGGCTGCAGCCCAACCCGCGACTCTTG	846
				Db	927	TGCGCTTGTCTCCCATCCATGCTGTGAGGAGGCTGCAGCCCAACCCGCGACTCTTG	986
				QY	847	GTGTGGGGTGCATTTCTCAGCCAGTCTTTCAGGCAAGAAAGCGAGCCCGCGGGAGA	906
				Db	987	GTGTGGGGTGCATTTCTCAGCCAGTCTTTCAGGCAAGAAAGCGAGCCCGCGGGAGA	1046
				QY	907	TGTTGCCGACTTTCTTTCGAGTCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT	966
				Db	1047	TGTTGCCGACTTTCTTTCGAGTCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT	1106
				QY	967	GGCTCTGATGCAGAAATCCCATGGTGTGACACATCTCTTTTGTGACTCTTATCTCTG	1026
				Db	1107	GGCTCTGATGCAGAAATCCCATGGTGTGACACATCTCTTTTGTGACTCTTATCTCTG	1166
				QY	1027	AATCACTGGAGAAGACATTTCAATCTCTCAATCCAGAACTTTGAAAGCTCAAGCTTTGG	1086
				Db	1167	AATCACTGGAGAAGACATTTCAATCTCTCAATCCAGAACTTTGAAAGCTCAAGCTTTGG	1226
				QY	1087	ATTCAATAGCAGTCAAGATTTGGTGGTGGGGCTGTTCCAGTCCAGTCTCATTTCTGAAA	1146
				Db	1227	ATTCAATAGCAGTCAAGATTTGGTGGTGGGGCTGTTCCAGTCCAGTCTCATTTCTGAAA	1286
				QY	1147	ACTTTACAGCAGCTACTGATTTATCTAGATATAACAACACACTGCTGTAAGTCAAGATCAA	1206
				Db	1287	ACTTTACAGCAGCTACTGATTTATCTAGATATAACAACACACTGCTGTAAGTCAAGATCAA	1346
				QY	1207	CTCAGGATGCATTAATATGAAAGCCAGTAGATCAGAGAGTGGCGCTATCATCCACC	1266
				Db	1347	CTCAGGATGCATTAATATGAAAGCCAGTAGATCAGAGAGTGGCGCTATCATCCACC	1406
				QY	1267	CAGCAGCTCAGAGCTCCCTCCAGGAAGCTTAAAGAACCTGCTTTCTTCTGCAAGTAAAGC	1326
				Db	1407	CAGCAGCTCAGAGCTCCCTCCAGGAAGCTTAAAGAACCTGCTTTCTTCTGCAAGTAAAGC	1466
				QY	1327	GTGCTCTGAAACCCAAAGACTCTCTTTGTAGGCTTATGAGCTGAGCAGTCTGACCT	1386
				Db	1467	GTGCTCTGAAACCCAAAGACTCTCTTTGTAGGCTTATGAGCTGAGCAGTCTGACCT	1526
				QY	1387	TGCTGGCTTCTGGGGCAAAAATAAATCTGAACCAAACTGAGCGGCTTTGAAGCCTTTCA	1446
				Db	1527	TGCTGGCTTCTGGGGCAAAAATAAATCTGAACCAAACTGAGCGGCTTTGAAGCCTTTCA	1586
				QY	1447	GCCAGTTGCTTCTGAGCCAGACCTGTAAGTGAAGAACCTCAATGAATTAACAAGAAAG	1506
				Db	1587	GCCAGTTGCTTCTGAGCCAGACCTGTAAGTGAAGAACCTCAATGAATTAACAAGAAAG	1646
				QY	1507	ACTCAGGCGGACTCATGATCTCTGCACTCTTTCTTCTACATGAGAAGCTTCTCTGCCAAA	1566
				Db	1647	ACTCAGGCGGACTCATGATCTCTGCACTCTTTCTTCTACATGAGAAGCTTCTCTGCCAAA	1706
				QY	1567	AAAGTCACTTCAAGACCGATGGTTGAGCTGGCAGCCTTATGAGATTTGGACATATAACA	1626
				Db	1707	AAAGTCACTTCAAGACCGATGGTTGAGCTGGCAGCCTTATGAGATTTGGACATATAACA	1766

RESULT 13

US-10-174-572-473
; Sequence 473, Application US/10174572
; Publication No. US20030027263A1

GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C40

; CURRENT APPLICATION NUMBER: US/10/174,572

; CURRENT FILING DATE: 2002-06-18

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 473

; LENGTH: 2870

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-174-572-473

Query Match 99.1%; Score 1688.4; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY	7	GTAGAACTCTCCAAACAATAATACATTTGATGAAGAAGATGGCTTTAAAGTGCTACTAG	66
Db	147	GAAGAACTCTCCAAACAATAATACATTTGATGAAGAAGATGGCTTTAAAGTGCTACTAG	206
QY	67	AACAAGAGAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTGATGTAAGTGA	126
Db	207	AACAAGAGAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTGATGTAAGTGA	266
QY	127	CTTGTGAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTTT	186
Db	267	CTTGTGAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTTT	326
QY	187	CCTGCAACAGTGTGGGCCAGGATGAGTTGTCTAAGGAATGTGCTTCGCGTATGGGG	246
Db	327	CCTGCAACAGTGTGGGCCAGGATGAGTTGTCTAAGGAATGTGCTTCGCGTATGGGG	386
QY	247	AGATGCAAGTGTGTGAGTGGCGGCTGCACAGTTTCAAGAGGACTGGGCTTCCAGA	306
Db	387	AGATGCAAGTGTGTGAGTGGCGGCTGCACAGTTTCAAGAGGACTGGGCTTCCAGA	446
QY	307	AATGCAAGCCCTGTCTGGGACTGGCAGTGTGAACCGCTTTCAGAGGCAAAATTTGTCAG	366
Db	447	AATGCAAGCCCTGTCTGGGACTGGCAGTGTGAACCGCTTTCAGAGGCAAAATTTGTCAG	506
QY	367	CCACAGTATGATCCATCTCGGGGACTGCTTGCAGGATTTTATAGGAAGACAACTTG	426
Db	507	CCACAGTATGATCCATCTCGGGGACTGCTTGCAGGATTTTATAGGAAGACAACTTG	566
QY	427	TGGCTTTCAAGACATGGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGACCGC	486
Db	567	TGGCTTTCAAGACATGGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGACCGC	626
QY	487	ACTGTGCCAGCAAGGTCAACCTCGTGAAGATCCGCTCCAGCGCTCCAGCCACCGGACA	546

QY	1567	AAGTGA	CTTCAAAGACGGATGGTTGAGCTGCGACCCCTATCAGAGTTGTGGACATATAACA	1626
DB	1707	AGTGA	CTTCAAAGACGTATGGTTGAGCTGCGACCCCTATCAGAGTTGTGGACATATAACA	1766
QY	1627	AGAAACAGAA	ATGCGCCTCATGTTTATTTTCATGGTGATTTGGTTTTTACAGAGCTGAAGA	1686
DB	1767	AGAAACAGAA	ATGCGCCTCATGTTTATTTTCATGGTGATTTGGTTTTTACAGAGCTGAAGA	1826
QY	1687	CCAGAGTATAC	TTTTTC 1704	
DB	1827	CCAGAGTATAC	TTTTTC 1844	
RESULT 15				
US-10-174-582-473				
; Sequence 473, Application US/10174582				
; Publication No. US20030027265A1				
; GENERAL INFORMATION:				
; APPLICANT: Baker, Kevin P.				
; APPLICANT: Chen, Jian				
; APPLICANT: Desnoyers, Luc				
; APPLICANT: Goddard, Audrey				
; APPLICANT: Godowski, Paul J.				
; APPLICANT: Gurney, Austin L.				
; APPLICANT: Pan, James				
; APPLICANT: Smith, Victoria				
; APPLICANT: Watanabe, Colin K.				
; APPLICANT: Wood, William I.				
; APPLICANT: Zhang, Zemin				
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC				
; TITLE OF INVENTION: ACIDS ENCODING THE SAME				
; FILE REFERENCE: P3430RIC36				
; CURRENT APPLICATION NUMBER: US/10/174,582				
; CURRENT FILING DATE: 2002-06-18				
; Prior Application removed - See File Wrapper or Palm				
; NUMBER OF SEQ ID NOS: 612				
; SEQ ID NO 473				
; LENGTH: 2870				
; TYPE: DNA				
; ORGANISM: Homo Sapien				
US-10-174-582-473				
Query Match 99.1%; Score 1688.4; DB 9; Length 2870;				
Best Local Similarity 99.6%; Pred. No. 0;				
Matches 1692; Conservative 0; Mismatches 6; Indels 0; Gaps 0;				
QY	7	GTAGA	CTCTCCAACTAAATATACATTTGATTAAGAAAGATGGCTTTAAAAGTGCTACTAG	66
DB	147	GAAGAA	CTCTCCAACTAAATATACATTTGATTAAGAAAGATGGCTTTAAAAGTGCTACTAG	206
QY	67	AACA	GAGAAACGTTTTTTCCTTTTAGTATTACTAGGCTATTGTGCATGTAAGTGA	126
DB	207	AACA	GAGAAACGTTTTTTCCTTTTAGTATTACTAGGCTATTGTGCATGTAAGTGA	266
QY	127	CTTGT	GAAACAGGAGACTGTAGACAGCAAGAATTCAGGATCGGTCCTCGAAACTGTGTTTC	186
DB	267	CTTGT	GAAACAGGAGACTGTAGACAGCAAGAATTCAGGATCGGTCCTCGAAACTGTGTTTC	326
QY	187	CCTG	CAACAGTGTGGGCGAGCATGGAGTCTCTTAAGGAAATGTGGCTTCCTGATCGGG	246
DB	327	CCTG	CAACAGTGTGGGCGAGCATGGAGTCTCTTAAGGAAATGTGGCTTCCTGATCGGG	386
QY	247	AGGATG	CACAGTGTGTGAGCTGCGGCTGCACAGGTTCAAGAGGAGCTGGGGCTTCCAGA	306
DB	387	AGGATG	CACAGTGTGTGAGCTGCGGCTGCACAGGTTCAAGAGGAGCTGGGGCTTCCAGA	446
QY	307	AATG	CAAGCCCTGTCTGGAATGCGGAGTGGTGAACCGCTTTTCAGAGCAAAATGTTTCAG	366
DB	447	AATG	CAAGCCCTGTCTGGAATGCGGAGTGGTGAACCGCTTTTCAGAGCAAAATGTTTCAG	506
QY	367	CCAC	CAGTGTGATCCATCTCGGGGAGCTGCTTGCAGAGTATTTATAGGAAGACGAAACTTG	426

QY	1507	ACTCCAGCCGACTCATGATCTCTGCATCTTTCTTCTACATGAGAAGCTTCTCTGCCCAA	1566
Db	1647	ACTCCAGCCGACTCATGATCTCTGCATCTTTCTTCTACATGAGAAGCTTCTCTGCCCAA	1706
QY	1567	AAGTGACTTCAAGACGGATGGTTGAGCTGGCAGCCTATGAGATTGTGGACATATAACA	1626
Db	1707	AAGTGACTTCAAGACTGATGGTTGAGCTGGCAGCCTATGAGATTGTGGACATATAACA	1766
QY	1627	AGAAACAGAAATGCCCTCATGCTTATTTTCATGGTGATTGTGGTTTACAGACTGAAGA	1686
Db	1767	AGAAACAGAAATGCCCTCATGCTTATTTTCATGGTGATTGTGGTTTACAGACTGAAGA	1826
QY	1687	CCCAGATATACTTTTTC	1704
Db	1827	CCCAGATATACTTTTTC	1844

Search completed: June 23, 2003, 02:51:13
 Job time : 261.302 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 22, 2003, 16:36:23 ; Search time 81.9231 Seconds
(without alignments)
6378.877 Million cell updates/sec

Title: US-09-380-276A-2
Perfect score: 1704
Sequence: 1 gggacgtagaactctccaa.....gaccagagatatacttttc 1704

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_NA.*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PTUS_COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	447.2	26.2	893	US-09-286-529-8	Sequence 8, Appli
2	326.6	19.2	623	US-09-286-529-9	Sequence 9, Appli
3	36.4	2.1	1601	US-08-722-001-7	Sequence 7, Appli
4	36.4	2.1	1987	US-08-722-001-26	Sequence 26, Appli
5	36.4	2.1	1997	US-08-722-001-27	Sequence 27, Appli
6	36.4	2.1	2004	US-08-722-001-11	Sequence 11, Appli
7	36.2	2.1	2485	US-08-424-424B-1	Sequence 1, Appli
8	36.2	2.1	2486	PCT-US94-05363A-1	Sequence 1, Appli
9	35.6	2.1	4136	US-09-103-875-2	Sequence 2, Appli
10	35.6	2.1	1150	US-09-372-934-3	Sequence 3, Appli
11	35.4	2.1	7218	US-08-232-463-14	Sequence 14, Appli
12	34.8	2.0	1639	US-08-334-698-5	Sequence 5, Appli
13	34.8	2.0	1639	US-08-228-932-5	Sequence 5, Appli
14	34.8	2.0	1639	US-08-468-939-5	Sequence 5, Appli
15	34.8	2.0	1639	US-08-406-855A-5	Sequence 5, Appli
16	34.8	2.0	1639	US-08-722-190-5	Sequence 5, Appli
17	34.8	2.0	1639	US-08-244-354-5	Sequence 5, Appli
18	34.8	2.0	1639	US-09-206-899-5	Sequence 5, Appli
19	34.8	2.0	1639	US-09-444-783-5	Sequence 5, Appli
20	34.8	2.0	1639	US-09-688-415-5	Sequence 5, Appli
21	34.6	2.0	1639	PCT-US95-04203-5	Sequence 5, Appli
22	34.6	2.0	5962	US-09-103-840A-2	Sequence 2, Appli
23	33.8	2.0	4403765	US-09-103-840A-1	Sequence 1, Appli
24	33.8	2.0	4411529	US-09-103-840A-1	Sequence 1, Appli
25	33.6	2.0	800	US-08-416-603-11	Sequence 11, Appli
26	33.4	2.0	4360	US-08-470-350B-1	Sequence 1, Appli
27	33.2	1.9	703	US-09-280-116-175	Sequence 175, Appli

c 28	33.2	1.9	11864	4	US-08-961-527-61	Sequence 61, Appli
c 29	33	1.9	1458	4	US-09-134-001C-989	Sequence 989, App
c 30	33	1.9	9472	1	US-08-325-547-9	Sequence 9, Appli
c 31	32.8	1.9	2230	1	US-08-200-512-1	Sequence 1, Appli
c 32	32.8	1.9	3786	4	US-08-961-527-182	Sequence 182, App
c 33	32.8	1.9	6822	4	US-09-426-998-3	Sequence 3, Appli
c 34	32.8	1.9	7741	4	US-09-426-998-4	Sequence 4, Appli
c 35	32.6	1.9	1593	2	US-08-524-828-2	Sequence 2, Appli
c 36	32.6	1.9	1593	3	US-08-975-114A-2	Sequence 2, Appli
c 37	32.6	1.9	1593	3	US-08-849-281A-2	Sequence 1, Appli
c 38	32.6	1.9	2247	2	US-08-524-828-1	Sequence 1, Appli
c 39	32.6	1.9	2247	2	US-08-575-114A-1	Sequence 7, Appli
c 40	32.6	1.9	2613	4	US-09-255-829-7	Sequence 1, Appli
c 41	32.6	1.9	2616	4	US-09-255-829-1	Sequence 25, Appli
c 42	32.6	1.9	2622	4	US-09-255-829-5	Sequence 5, Appli
c 43	32.6	1.9	2628	4	US-09-255-829-9	Sequence 9, Appli
c 44	32.6	1.9	2628	4	US-09-255-829-9	Sequence 9, Appli
c 45	32.6	1.9	2637	4	US-09-255-829-11	Sequence 11, Appli

ALIGNMENTS

RESULT 1
US-09-286-529-8
; Sequence 8, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Triboulev
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 893
; TYPE: DNA
; ORGANISM: human
US-09-286-529-8

Query Match	26.2%	Score	447.2;	DB	4;	Length	893;
Best Local Similarity	81.6%	Pred. No.	4.7e-128;				
Matches	529;	Conservative	0;	Mismatches	118;	Indels	1;
Gaps	1;						
Qy	22	AATAAATACATTTGATAAGAAAGATGGCTTTAAAGTGTCTACTAGAAACAAGAGAAAACGT	81				
Db	32	AATAAACAAGTTGGTGAGAGCCATGCGACTCAAGTCTCTACCTCTACACAGGACGGTGC	91				
Qy	82	TTTTCACTCTTTTAGTATTACTAGGCTATTGTTCATGTAAGTGAAGTGTGTAAGAACAGAG	141				
Db	92	TCCTCGCTGCCATTCCTCTCTACTCCACCTGGCATGTAAGTGAAGTGTGTAAGAACAGAG	151				
Qy	142	ACTGTACACACAGAAATTCAGGATCGGTCTGGAAACTGTTCCTCGCAACCAAGTGTG	201				
Db	152	ATTGCGAGGACAGAGAAATCAAGATCGATCTGGAATCTGTCTCTGCAACAGTGTG	211				
Qy	202	GGCCAGGACATGGAGTGTCTTAAGGAATGTGGCTTCGGCTATGGGAGAGATGCACAGTGTG	261				
Db	212	GACCTGCATGGAGTGTCTCCAGGAATGTGGCTTCGGCTATGGGAGAGATGCACAGTGTG	271				
Qy	262	TGACGTCCCGGCTGCACAGGTTCAAGGAGAGTGGGGCTTCCAGAAATGCAAGCCCTGTGTC	321				
Db	272	TGCCCTGCAGGCCACCGGTTCAAGGAAGACTGGGGTTCAGAGAGTGAAGCCATGTG	331				
Qy	322	TGGACTGGCAGTGGTGAACCGCTTTCAGAGGCAAAATTTTACAGCCACCAAGTGTATGCCA	381				
Db	332	CGGACTGTGGCTGGTGAACCGCTTTTTCAGAGGGGCAACTGTCTCACACCAAGTGTATGTC	391				
Qy	382	TCTCGGGGACTGCTTGCACAGGATTTTATAGGAAGACGAAACTTGTGGCTTTTCAAGACA	441				
Db	392	TCTCGGGGACTGCTTGCACAGGATTTTATAGGAAGACGAAACTTGTGGCTTTTCAAGACA	451				

QY 442 TGGAGTGTGTGCTTGTGTGAGACCTCTCTCTCTCTTACGAACCGGCACTGTGCGCAGAGG 501
DB 452 TGGAGTGTGTGCTTGTGTGAGACCTCTCTCTCTCTTACGAACCGGCACTGTGCGCAGAGG 511
QY 502 TCAACCTCTGTGAAGATCGGCTCCAGGCTCCAGGCTCCAGGCTCCAGGCTCCAGGCTCCAGG 561
DB 512 TGAACCTTGTGAAGATCTCTTCCAGGCTCCAGGCTCCAGGCTCCAGGCTCCAGGCTCCAGG 571
QY 562 TTATCTGACGCTCTGCGCCAGGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 621
DB 572 TCATCTGCACTGTCTGCGCCAGGCTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 630
QY 622 GTAAGAGACAGTTTATGAGAGAGAAACCCAGCTGTCTCTCTCTCTCTCTCTCTCTCTCT 669
DB 631 GCAAGAGGAGTTCATGAGAGAGAAACCCAGCTGTAAAGCTCCCATCCC 678

RESULT 2
US-09-286-529-9
; Sequence 9, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 623
; TYPE: DNA
; ORGANISM: human
US-09-286-529-9

Query Match 19.2%; Score 326.6; DB 4; Length 623;
Best Local Similarity 78.2%; Pred. No. 6.7e-91;
Matches 392; Conservative 0; Mismatches 109; Indels 0; Gaps 0;

QY 18 CAACATAATACATTTGATAGAAAGATGGCTTTAAAGTGTCTACTAGAACAGAGAA 77
DB 89 CAGGATTAACAGTTTGTGTGAGCCATGGCACTCNAGTCTCTACTCTACAGGAGC 148
QY 78 AGCTTTTCACTCTTTTAGTATTACTAGGCTATTTGTCTATGTAAGTACTTTGTGAACA 137
DB 149 GTGCTCTTCCGTGCCATCT 208
QY 138 GGAGCTGTAGACAGCAAGATTCAGGATCGGTCTGGAACCTGTCTTCCCTGCAACAG 197
DB 209 GGAGATTGACGAGCAGGAAATTCAGGATCGATCTGGAACCTGTCTTCCCTGCAACAG 268
QY 198 TGTGGCCAGGATGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGAGGATGCACAG 257
DB 269 TCGGACCTGGCATGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGGAGGATGCACAG 328
QY 258 TGTGTGACGTGCGGCTGCACAGTTTCAAGAGGACTGGGCTTCCAGAAATTCAGAGCCC 317
DB 329 TGTGTGCTTCCAGGCGCAGCTTCAAGGAAGACTGGGCTTCCAGAAATGTGAAGCCA 388
QY 318 TGTCTGACTGCGCAGTGTGACCGCTTTCAGAGGCAATTTGTTCACGCCACCATGAT 377
DB 389 TGTGCGGACTGTGCGTGTGGAACCGCTTTCAGAGGCGCAACTGTCTCACACACCATGAT 448
QY 378 GCATCTGCGGGGACTGTCTTGCAGGATTTTATAGGAAGCAAACTTGTCTGCGCTTCAA 437
DB 449 GCTGTCTGCGGGGACTGTCTTGCAGGATTTTACCGGAAGCAAACTGTGTGTTTCAA 508
QY 438 GACATGAGTGTGTGCTGTGAGACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 497
DB 509 GACATGAGTGTGTGCTGTGAGACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 568
QY 498 AAGTCAACCTCGTGAAGATC 518

DB 569 TGTGCCAAGTGGCAGCAGACC 589

RESULT 3
US-08-722-001-7
; Sequence 7, Application US/08722001
; Patent No. 5760054
; GENERAL INFORMATION:
; APPLICANT: Thompson, Wayne J.
; APPLICANT: Huff, Joel R.
; APPLICANT: Nerenberg, Jennie B.
; APPLICANT: Lee, Hee-Yoon
; APPLICANT: Bell, Ian M.
; TITLE OF INVENTION: ALPHAIC ADRENERGIC RECEPTOR ANTAGONISTS
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: 126 Lincoln Avenue
; CITY: Rahway
; STATE: New Jersey
; COUNTRY: United States of America
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/722,001
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/229,276
; FILING DATE: 14-APR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Appollina, Mary A.
; REGISTRATION NUMBER: 34,087
; REFERENCE/DOCKET NUMBER: 19169Y
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908)594-3462
; TELEFAX: (908)594-4720
; TELEX: 138825
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1601 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-722-001-7

Query Match 2.1%; Score 36.4; DB 1; Length 1601;
Best Local Similarity 52.7%; Pred. No. 0.54;
Matches 79; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

QY 518 CGCTGCCACGGCTCCAGGCCACCGGACACGCGCTGCGCTGCTTATCTGCAGCGCTCT 577
DB 1107 CGAGACGAGACCATCTGCCAGATCAACGAGGAGCGGCTCTCTCTCGGCTCT 1166
QY 578 GGCCACCGCTCTGCTGGCCCTGCTCATCTCTGTGTCTATCTATTGTAGAGACAGTTTAT 637
DB 1167 GGGCTCTCTTACCTGCTCTGGCCATCATCTGCTGCTACTGCTCCGCGCTCTACGTGT 1226
QY 638 GGAGAGAAACCCAGCTGTCTCTGCGGTC 667
DB 1227 GGCCAAAGGAGAGAGCGGCGCTCAAGTC 1256

RESULT 4
US-08-722-001-26
; Sequence 26, Application US/08722001

Patent No. 5760054
GENERAL INFORMATION:
APPLICANT: Thompson, Wayne J.
APPLICANT: Huff, Joel R.
APPLICANT: Nerenberg, Jennie B.
APPLICANT: Lee, Hee-Yoon
APPLICANT: Bell, Ian M.
TITLE OF INVENTION: ALPHA1C ADRENERGIC RECEPTOR ANTAGONISTS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: United States of America
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/722,001
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION NUMBER: 08/229,276
FILING DATE: 14-APR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Appollina, Mary A.
REGISTRATION NUMBER: 34,087
REFERENCE/DOCKET NUMBER: 19169Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3462
TELEFAX: (908)594-4720
TELEX: 138825
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 1987 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-722-001-26

Query Match 2.1%; Score 36.4; DB 1; Length 1987;
Best Local Similarity 52.7%; Pred. No. 0.62;
Matches 79; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

QY 518 CGCGTCCAGCGCTCCAGCCACGGGACAGCGCGCTGGCTGCTGTTATCTGCAGCGCTCT 577
DB 1112 CGAGACGAGACCATCTGCCAGATCAACGAGAGCGGGCTACGTCTCTTCGGCTCT 1171

QY 578 GGCCACCGCTCTGCTGGCCCTCTCATCTCTGTGTCATCTATTGTAAAGACAGTTAT 637
DB 1172 GGGCTCTCTTACCTGCTCTGGCCATCATCTGCTCATGTACTGCCGGCTACGTGTT 1231

QY 638 GGAGAGAACCCAGCTGCTCTGCGGTC 667
DB 1232 GGCCAGAGGAGAGCGGGGCTCAAGTC 1261

RESULT 5
US-08-722-001-27
Sequence 27, Application US/08722001
Patent No. 5760054
GENERAL INFORMATION:
APPLICANT: Thompson, Wayne J.
APPLICANT: Huff, Joel R.
APPLICANT: Nerenberg, Jennie B.
APPLICANT: Lee, Hee-Yoon

APPLICANT: Bell, Ian M.
TITLE OF INVENTION: ALPHA1C ADRENERGIC RECEPTOR ANTAGONISTS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: United States of America
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/722,001
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION NUMBER: 08/229,276
FILING DATE: 14-APR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Appollina, Mary A.
REGISTRATION NUMBER: 34,087
REFERENCE/DOCKET NUMBER: 19169Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3462
TELEFAX: (908)594-4720
TELEX: 138825
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 1997 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-722-001-27

Query Match 2.1%; Score 36.4; DB 1; Length 1997;
Best Local Similarity 52.7%; Pred. No. 0.62;
Matches 79; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

QY 518 CGCGTCCAGCGCTCCAGCCACGGGACAGCGCGCTGGCTGCTGTTATCTGCAGCGCTCT 577
DB 1106 CGAGACGAGACCATCTGCCAGATCAACGAGAGCGGGCTACGTCTCTTCGGCTCT 1165

QY 578 GGCCACCGCTCTGCTGGCCCTCTCATCTCTGTGTCATCTATTGTAAAGACAGTTAT 637
DB 1166 GGGCTCTCTTACCTGCTCTGGCCATCATCTGCTCATGTACTGCCGGCTACGTGTT 1225

QY 638 GGAGAGAACCCAGCTGCTCTGCGGTC 667
DB 1226 GGCCAGAGGAGAGCGGGGCTCAAGTC 1255

RESULT 6
US-08-722-001-11
Sequence 11, Application US/08722001
Patent No. 5760054
GENERAL INFORMATION:
APPLICANT: Thompson, Wayne J.
APPLICANT: Huff, Joel R.
APPLICANT: Nerenberg, Jennie B.
APPLICANT: Lee, Hee-Yoon
APPLICANT: Bell, Ian M.
TITLE OF INVENTION: ALPHA1C ADRENERGIC RECEPTOR ANTAGONISTS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 Lincoln Avenue

```
/ CITY: Rahway
/ STATE: New Jersey
/ COUNTRY: United States of America
/ ZIP: 07065
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/722,001
/ FILING DATE:
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/229,276
/ FILING DATE: 14-APR-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Appollina, Mary A.
/ REGISTRATION NUMBER: 34,087
/ REFERENCE/DOCKET NUMBER: 19169Y
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (908)594-3462
/ TELEFAX: (908)594-4720
/ TELEX: 138825
/ INFORMATION FOR SEQ ID NO: 11:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 2004 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: both
/ TOPOLOGY: both
/ MOLECULE TYPE: cDNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ US-08-722-001-11

Query Match 2.1%; Score 36.4; DB 1; Length 2004;
Best Local Similarity 52.7%; Pred. No. 0.62; Mismatches 0; Gaps 0;
Matches 79; Conservative 0; Indels 0;

QY 518 CGCGTCCAGCGCTCCAGCCACGGGACGCGCTGGCTGCTTATCTGCAGGCTCT 577
DB 1107 CGAGGAGGACCATCTGCAGATCAACGAGGCGGCTAGCTCTTCTCGGCTCT 1166
QY 578 GGCCACGCTGCTGGCCCTGCTCATCTCTGTGTCTATCTATTTGAAGACAGTTTAT 637
DB 1167 GGCGCTCTTCTACCTCCCTCTGGCCATCATCTCTGTCTATCTGTCTAGTGTCT 1226
QY 638 GGAGAGAAACCCAGCTGCTCTCGGTC 667
DB 1227 GGCCAGAGGGAGAGCGCGGCTCAAGTC 1256

RESULT 7
US-08-424-424B-1
; Sequence 1, Application US/08424424B
; GENERAL INFORMATION:
; APPLICANT: LI, ET AL.
; TITLE OF INVENTION: Neurotransmitter Transporter
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05363A
; FILING DATE: SUBMITTED HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-118
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700

/ CITY: Rahway
/ STATE: New Jersey
/ COUNTRY: United States of America
/ ZIP: 07065
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/722,001
/ FILING DATE:
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/229,276
/ FILING DATE: 14-APR-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Appollina, Mary A.
/ REGISTRATION NUMBER: 34,087
/ REFERENCE/DOCKET NUMBER: 19169Y
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (908)594-3462
/ TELEFAX: (908)594-4720
/ TELEX: 138825
/ INFORMATION FOR SEQ ID NO: 11:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 2004 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: both
/ TOPOLOGY: both
/ MOLECULE TYPE: cDNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ US-08-722-001-11

Query Match 2.1%; Score 36.2; DB 1; Length 2485;
Best Local Similarity 56.2%; Pred. No. 0.82; Mismatches 53; Indels 0; Gaps 0;
Matches 68; Conservative 0;

QY 497 CAAGGTCAACCTCGTGAAGATCGGTCCACGGGCTCCAGCCACGGGACACGGGCTGGC 556
DB 2023 CAGCATCATCCAGCTGGGGGTACGCCCCCGGCTACAGCGCTGTGATCAAGGAGGAGC 2082
QY 557 TGCGTTATCTGCAGCGCTCTGGCCACCGTCTGTGTGGCCCTGTCTCTCTGTCTAT 616
DB 2083 TGCCGAGCGCTACTGTATTTCCCACTGGCCACTGCTCTGTATCACCTCATCGT 2142
QY 617 C 617
DB 2143 C 2143

RESULT 8
PCT-US94-05363A-1
; Sequence 1, Application PC/TUS9405363A
; GENERAL INFORMATION:
; APPLICANT: LI, ET AL.
; TITLE OF INVENTION: Neurotransmitter Transporter
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05363A
; FILING DATE: SUBMITTED HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-118
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700

/ CITY: Rahway
/ STATE: New Jersey
/ COUNTRY: United States of America
/ ZIP: 07065
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/722,001
/ FILING DATE:
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/229,276
/ FILING DATE: 14-APR-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Appollina, Mary A.
/ REGISTRATION NUMBER: 34,087
/ REFERENCE/DOCKET NUMBER: 19169Y
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (908)594-3462
/ TELEFAX: (908)594-4720
/ TELEX: 138825
/ INFORMATION FOR SEQ ID NO: 11:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 2004 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: both
/ TOPOLOGY: both
/ MOLECULE TYPE: cDNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ US-08-722-001-11

Query Match 2.1%; Score 36.2; DB 1; Length 2485;
Best Local Similarity 56.2%; Pred. No. 0.82; Mismatches 53; Indels 0; Gaps 0;
Matches 68; Conservative 0;

QY 497 CAAGGTCAACCTCGTGAAGATCGGTCCACGGGCTCCAGCCACGGGACACGGGCTGGC 556
DB 2023 CAGCATCATCCAGCTGGGGGTACGCCCCCGGCTACAGCGCTGTGATCAAGGAGGAGC 2082
QY 557 TGCGTTATCTGCAGCGCTCTGGCCACCGTCTGTGTGGCCCTGTCTCTCTGTCTAT 616
DB 2083 TGCCGAGCGCTACTGTATTTCCCACTGGCCACTGCTCTGTATCACCTCATCGT 2142
QY 617 C 617
DB 2143 C 2143

RESULT 8
PCT-US94-05363A-1
; Sequence 1, Application PC/TUS9405363A
; GENERAL INFORMATION:
; APPLICANT: LI, ET AL.
; TITLE OF INVENTION: Neurotransmitter Transporter
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05363A
; FILING DATE: SUBMITTED HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-118
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
```


TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2486 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
; MOLECULE TYPE: cDNA
PCT-US94-05363A-1

Query Match 2.1%; Score 36.2; DB 5; Length 2486;
Best Local Similarity 56.2%; Pred. No. 0.82; Mismatches 0; Gaps 0;
Matches 68; Conservative 0; Indels 53; Indels 0; Gaps 0;
QY 497 CAAGGTCAACCTCGTGAAGATCGCTCCAGCGCTCCAGCCCGGACACGGCGCTGGC 556
Db 2024 CAGCATCATCCAGTGGGGTCAAGCCCGGCTTACAGCGCTGGATCAGGAGGAGGC 2083
QY 557 TCCGTTATCTCAGCGCTCTGGCCACCGTCTGCTGGCCCTGCTCATCTCTGTGTAT 616
Db 2084 TCCGAGCGCTACCTGTATTTCCCAACTGGCCCACTGCGCTCTGTATCATCGT 2143
QY 617 C 617
Db 2144 C 2144

RESULT 9
US-09-103-875-2/c
; Sequence 2, Application US/09103875A
; Patent No. 6221849
; GENERAL INFORMATION:
; APPLICANT: Syfy, Moshe
; APPLICANT: Bigey, Pascal
; APPLICANT: Ramchandani, Shivam
; TITLE OF INVENTION: DNA METHYLTRANSFERASE GENOMIC SEQUENCES AND ANTISENSE
; FILE REFERENCE: 106101.194
; CURRENT APPLICATION NUMBER: US/09/103,875A
; CURRENT FILING DATE: 1998-06-24
; EARLIER APPLICATION NUMBER: 60/069,865
; EARLIER FILING DATE: 1997-12-17
; EARLIER APPLICATION NUMBER: 08/866,340
; EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 4136
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-103-875-2

Query Match 2.1%; Score 36; DB 4; Length 4136;
Best Local Similarity 49.5%; Pred. No. 1.3; Mismatches 95; Indels 0; Gaps 0;
Matches 93; Conservative 0; Indels 95; Indels 0; Gaps 0;
QY 733 CCCACAGACCTCTGCCAGTCCCGCTGACTCAGTGCAGACCTTCGCGCGCGTGCCT 792
Db 3917 CCCACAGCGCTCTGCCCTGCTCCCTGAGTCCGTTTCCCTCCATGTTACTACCGC 3858
QY 793 TCTCCATCATGTGTGTAGGAGGCTTGACGCCCAACCCCGGAGCTCTTGTGTGTG 852
Db 3857 TCGGACATCTGTCGGGACGAGATGCGCGGACGCGCATGTGTGGCCACCCGGGTGGG 3798
QY 853 GGTGCTATTCTCAGCGCTCTTACGGCAAGAAACGAGGCCACCGGGGAGGTGTC 912
Db 3797 CGGTAGCGCGGCTCTCGAGGCTTACGACAGCGCGCGCGGAGCGGCGCC 3738
QY 913 CGACTTTC 920
Db 3737 GCGTTTTC 3730

RESULT 10
US-09-372-934-3
; Sequence 3, Application US/09372934
; Patent No. 6248579
; GENERAL INFORMATION:
; APPLICANT: Stutzman-Engwall, Kim J.
; APPLICANT: McArthur, Hamish
; APPLICANT: Kato, Yoshihiro
; TITLE OF INVENTION: STREPTOMYCES AVERMITILIS GENE DIRECTING THE RATIO OF
; TITLE OF INVENTION: B2:B1 AVERMECTINS
; FILE REFERENCE: PC10649
; CURRENT APPLICATION NUMBER: US/09/372,934
; CURRENT FILING DATE: 1999-08-12
; EARLIER APPLICATION NUMBER: 60/074,636
; EARLIER FILING DATE: 1998-02-13
; EARLIER APPLICATION NUMBER: PCT/IB99/00130
; EARLIER FILING DATE: 1999-01-25
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1150
; TYPE: DNA
; ORGANISM: Streptomyces hygroscopicus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (58) .. (990)
US-09-372-934-3

Query Match 2.1%; Score 35.6; DB 4; Length 1150;
Best Local Similarity 57.0%; Pred. No. 0.77; Mismatches 65; Conservative 0; Mismatches 49; Indels 0; Gaps 0;
QY 492 GCCAGCAAGTCAACCTCGTGAAGATCGCTCCAGCGCTCCAGCCCGGACACCGCG 551
Db 142 GCCACAGCGCTACCGCATCGAAGCGTCCCGCGGCGGCGGTGGGACTCGAG 201
QY 552 CTGCTGCGCTTATCTGCAGCGCTTCGCCACCGCTCTGTGCTGTGGCCCTGCTCATC 605
Db 202 CGGATCGCGATGTGCTGATCCCGTCTGTCCGTGGTGGAGCGGTGCTCTC 255

RESULT 11
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:

NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: pTZgpt-F1s
US-08-232-463-14

Query Match 2.1%; Score 35.4; DB 1; Length 7218;
Best Local Similarity 6.4%; Pred. No. 2.8;
Matches 27; Conservative 203; Mismatches 189; Indels 0; Gaps 0;

QY 11 AACTCTCCAACTAATACATTTGATAAGAAAGATGGCTTTAAAGTGTCTACTAGAAC 70
DB 1481 AATTACCTATCTATGCAAGTATTAAGAGATAGAGAATTTGGTACRRRRRRRRR 1422
QY 71 AGAGAAACGTTTTCACCTCTTTTAGTATTACTAGGCTATTTGTCATGTAAAGTCACTTG 130
DB 1421 RRR 1362
QY 131 TGAACAGAGACTGTAGACACAGAAATTCAGGATCGTCTGAAACGTGTTCCCTG 190
DB 1361 RRR 1302
QY 191 CAACAGCTGTGGCCAGGATGAGTTGCTAAGGAATGTGGCTATGGGAGGA 250
DB 1301 RRR 1242
QY 251 TGCACAGTGTGACGTGCGGCTGCACAGGTTCAAGGAGGACTGGGGCTCCAGAAATG 310
DB 1241 RRR 1182
QY 311 CAAGCCCTCTGGACTGCGAGTGTGAACCGCTTTCAGAAGGAAATTTTCAGCCAC 370
DB 1181 RRR 1122
QY 371 CAGTGATGCTATGCGGGGACTGTTCGAGGATTTTATAGGAAGACGAACTTTGTCG 429
DB 1121 RRR 1063

RESULT 12
US-08-334-698-5
Sequence 5, Application US/08334698
Patent No. 5556753
GENERAL INFORMATION:
APPLICANT: Jonathan A. Bard et al.
TITLE OF INVENTION: DNA Encoding Human Alpha 1 Adrenergic
TITLE OF INVENTION: Receptors and Uses Thereof
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: COOPER & DUNHAM
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10112
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/334,698

FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/952,798
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 376901
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 977-9550
TELEFAX: (212) 664-0525
TELEX: (212) 422523 COOP UI
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1639 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
FEATURE:
NAME/KEY: CDS
LOCATION: 126..1523
OTHER INFORMATION:
US-08-334-698-5

Query Match 2.0%; Score 34.8; DB 1; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.7;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 518 CGCGTCCACGCGCTCCAGCCACCGGACACCGCGCTGCGCTGCTATCTGTAAGACAGCTTTAT 577
DB 635 CGAGACGAGACCATCTGCCAGATCAACGAGGAGCGGCTACGTCTCTTCACGCGCT 694
QY 578 GGCCACCGCTCTGCTGGCGCTCTCATCTCTGCTGCTATCTATCTGTAAGACAGCTTTAT 637
DB 695 GGGCTCTCTTACCTGCGCTCTGCGCATCATCTCTGCTGCTATCTGCTGCTGCTGCTGCT 754
QY 638 GGAGAAGAAACCCAGCTGCTCTCTGCGGTC 667
DB 755 GGCCAGAGGAGGAGCGCGGCTCAAGTC 784

RESULT 13
US-08-932-5
Sequence 5, Application US/08228932
Patent No. 5578611
GENERAL INFORMATION:
APPLICANT: Charles Gluchowski, Carlos C. Forray, George Chiu,
APPLICANT: Theresa A. Branche, John M. Wetzel and Paul R. Hartig
TITLE OF INVENTION: USE OF ALPHA-1C SPECIFIC COMPOUNDS TO TREAT BENIGN
TITLE OF INVENTION: PROSTATIC HYPERPLASIA
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: COOPER & DUNHAM
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10112
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/228,932
FILING DATE: 13-APR-1994
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.

REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 41878-B/JPW/TEP
TELEPHONE: (212) 977-9550
TELEFAX: (212) 664-0525
TELEX: (212) 422523 COOP UI
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1639 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
FEATURE:
NAME/KEY: CDS
LOCATION: 126..1523
OTHER INFORMATION:
US-08-228-932-5

Query Match 2.0%; Score 34.8; DB 1; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.7;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;
QY 518 CGGTCCACGGCTCCAGCCACGGGACACGGCGCTGGCTGCGTATCTGCAGGGCTCT 577
DB 635 CGAGGACGAGACCATCTGCCAGATCAACGAGAGCGGGCTACGTCTCTCAGCGCT 694
QY 578 GGCCACCGTCTGCTGGCCCTGCTCATCTCTGTGTCATCTATTGTAAGACAGTATTAT 637
DB 695 GGGCTCTTCTACCTGCTGCTGCGCATCATCTGCTCATGTACTGCGCGCTACGTGGT 754
QY 638 GGAGAGAAACCCAGCTGCTCTGCGGTC 667
DB 755 GGCCAGAGGAGGAGCGGGCGCTCAAGTC 784

RESULT 14
US-08-468-939-5
Sequence 5, Application US/08468939
Patent No. 5714381
GENERAL INFORMATION:
APPLICANT: Jonathan A. Bard et al.
TITLE OF INVENTION: DNA Encoding Human Alpha 1 Adrenergic
RECEPTORS AND USES THEREOF
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: COOPER & DUNHAM LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,939
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 41337-1B
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0526
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1639 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
FEATURE:
NAME/KEY: CDS
LOCATION: 126..1523
OTHER INFORMATION:
US-08-468-939-5

Query Match 2.0%; Score 34.8; DB 1; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.7;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;
QY 518 CGGTCCACGGCTCCAGCCACGGGACACGGCGCTGGCTGCGTATCTGCAGGGCTCT 577
DB 635 CGAGGACGAGACCATCTGCCAGATCAACGAGAGCGGGCTACGTCTCTCAGCGCT 694
QY 578 GGCCACCGTCTGCTGGCCCTGCTCATCTCTGTGTCATCTATTGTAAGACAGTATTAT 637
DB 695 GGGCTCTTCTACCTGCTGCTGCGCATCATCTGCTCATGTACTGCGCGCTACGTGGT 754
QY 638 GGAGAGAAACCCAGCTGCTCTGCGGTC 667
DB 755 GGCCAGAGGAGGAGCGGGCGCTCAAGTC 784

RESULT 15
US-08-406-855A-5
Sequence 5, Application US/08406855A
Patent No. 5861309
GENERAL INFORMATION:
APPLICANT: Jonathan A. Bard et al.
TITLE OF INVENTION: DNA Encoding Human Alpha 1 Adrenergic
RECEPTORS AND USES THEREOF
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/406,855A
FILING DATE: 21-AUG-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 41337-A-PCT-US/JPW/KDB
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0526
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1639 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
FEATURE:
NAME/KEY: CDS
LOCATION: 126..1523

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 22, 2003, 21:28:42 ; Search time 15.3893 Seconds
(without alignments)
797.266 Million cell updates/sec

Title: US-09-380-276A-4
Perfect score: 2255
Sequence: 1 MALKVLLQEKTFFTLVLL.....LDQSGAIHPATQTSLOEA 417

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA*
1: /cgn2_6/ptodata/1/1aa/5A-COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B-COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A-COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B-COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PCTUS-COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	869	38.5	210	4	US-09-286-529-3
2	714.5	31.7	151	4	US-09-286-529-4
3	191	8.5	448	4	US-09-342-681C-17
4	191	8.5	448	4	US-09-342-681C-19
5	159	7.1	438	1	US-08-097-827-11
6	159	7.1	438	1	US-08-494-574-11
7	150	6.7	206	1	US-08-097-827-7
8	150	6.7	206	1	US-08-494-574-7
9	145	6.4	205	3	US-08-974-022-51
10	145	6.4	205	4	US-08-795-445A-51
11	145	6.4	205	4	US-08-795-447A-51
12	145	6.4	205	4	US-08-974-186-51
13	145	6.4	205	4	US-08-795-446B-51
14	145	6.4	205	4	US-08-706-945D-138
15	144	6.4	1104	2	US-08-327-832-5
16	144	6.4	1104	2	US-08-828-584-5
17	136	6.0	625	3	US-08-996-139-15
18	136	6.0	625	4	US-08-995-659-15
19	136	6.0	625	4	US-09-215-649A-15
20	136	6.0	625	4	US-09-577-780-15
21	134.5	6.0	415	4	US-09-006-353A-6
22	134.5	6.0	415	4	US-09-573-986-6
23	134	5.9	186	1	US-08-089-458B-6
24	134	5.9	307	4	US-08-804-166-4
25	134	5.9	307	4	US-08-910-991-4
26	133.5	5.9	2050	2	US-08-347-594A-2
27	132.5	5.9	197	2	US-08-505-606-1

```

28 132.5 5.9 197 4 US-09-000-166-1 Sequence 1, Appli
29 132 5.9 276 4 US-09-041-886-27 Sequence 27, Appl
30 132 5.9 277 4 US-09-042-785A-10 Sequence 10, Appl
31 132 5.9 277 4 US-09-006-353A-10 Sequence 10, Appl
32 132 5.9 277 4 US-08-114-944D-2 Sequence 2, Appli
33 132 5.9 277 4 US-09-573-986-10 Sequence 10, Appli
34 131 5.8 139 2 US-08-219-237B-8 Sequence 8, Appli
35 131 5.8 176 4 US-09-411-722-1 Sequence 1, Appli
36 130.5 5.8 140 4 US-08-477-347-17 Sequence 17, Appli
37 130.5 5.8 140 4 US-08-476-862-8 Sequence 8, Appli
38 130.5 5.8 170 4 US-08-828-683A-14 Sequence 14, Appli
39 129.5 5.7 336 4 US-08-804-166-8 Sequence 8, Appli
40 129.5 5.7 336 4 US-08-910-991-8 Sequence 8, Appli
41 129 5.7 326 1 US-08-292-549-4 Sequence 4, Appli
42 129 5.7 326 5 PCT-US91-02207-4 Sequence 4, Appli
43 128.5 5.7 1170 1 US-08-313-288B-20 Sequence 20, Appli
44 128 5.7 355 1 US-08-292-549-6 Sequence 6, Appli
45 128 5.7 355 4 US-09-006-353A-14 Sequence 14, Appli

```

ALIGNMENTS

```

RESULT 1
US-09-286-529-3
; Sequence 3, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286.529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 210
; TYPE: PRT
; ORGANISM: human
US-09-286-529-3

```

Query Match 38.5%; Score 869; DB 4; Length 210;
Best Local Similarity 83.7%; Pred. No. 1.8e-73;
Matches 154; Conservative 11; Mismatches 19; Indels 0; Gaps 0;

```

QY 1 MALKVLLQEKTFFTLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCPCNCGPGMELSK 60
DB 1 MALKVLPRLRTVFAAILFLHLACKVSCETGDCRQOEFRDRSGNVCVLCQCGPGMELSK 60
QY 61 ECGFGYGEDAQCVTCLRLHRFKEDWGFKCKPCLDCAVNVRFQKANCATSDAICGDCPLPG 120
DB 61 ECGFGYGEDAQCVCPRPHRFKEDWGFKCKPCADCALVNRFORANCSTSDAVCGDCLPG 120
QY 121 FYRKTGLVGFQDMCEVPCGDPDPPEPHPCASKVNLVKIATSTASSPRDTALAAVICSALAT 180
DB 121 FYRKTGLVGFQDMCEVPCGDPDPPEPHPCASKVNLVKIATSTASSPRDTALAAVICSALAT 180
QY 181 VLLA 184
DB 181 VLLA 184

```

```

RESULT 2
US-09-286-529-4
; Sequence 4, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286.529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25

```

```
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 151
; TYPE: PRT
; ORGANISM: human
; US-09-286-529-4

Query Match
Best Local Similarity 31.7%; Score 714.5; DB 4; Length 151;
Matches 123; Conservative 9; Mismatches 17; Indels 1; Gaps 1;

QY 1 MALKVLLLEQKFTFTLLVLLGYSCKVTCTGDC-RQEFRRDRSGNCVPCNOCGPGMELS 59
Db 1 MALKVLPRLHRTVLFAAILLHLLACKVSCETGDCRQEFRRDRSGNCVPCNOCGPGMELS 60
QY 60 KECGFGYGEDAQCVCRLHREFKEDWGFKCKPCDCAVNVRRFQKANCSTSDAICGDCILP 119
Db 61 KECGFGYGEDAQCVCRLHREFKEDWGFKCKPCDCAVNVRRFQKANCSTSDAICGDCILP 120
QY 120 GFYRKTCLVGFQDMCEVPCGDPDPPEPHC 149
Db 121 GFYRKTCLVGFQDMCEVPCGDPDPPEPHC 150

RESULT 3
US-09-342-681C-17
; Sequence 17, Application US/09342681C
; Patent No. 6355782
; GENERAL INFORMATION:
; APPLICANT: Zonana et al.
; TITLE OF INVENTION: Hypohydrotic ectodermal dysplasia genes and proteins
; FILE REFERENCE: 52978
; CURRENT APPLICATION NUMBER: US/09/342,681C
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 60/092,279
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: 60/112,366
; PRIOR FILING DATE: 1998-12-15
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 448
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-342-681C-17

Query Match
Best Local Similarity 8.5%; Score 191; DB 4; Length 448;
Matches 62; Conservative 30; Mismatches 84; Indels 40; Gaps 12;

QY 16 LLVLLGYSCKVTCTGDCRQEFRRDR-SGNCVPCNOCGPGMELSKGCGFG-YGEDAQC 73
Db 13 LPVLVSLMCSARAESYSGENEEYNTGLCQECPCGPGGEPYLSGCGYGTGKDEYGC 72
QY 74 TCELHREFKEDWGFKCKPCDCAVNVRRFQKANC-----SATSDAICGDCILPGFY 125
Db 73 PCPAEKFSKG-GYQICRRHKDC---EGFRRATVLTGDMENDABCGCLPGYMLNRP 128
QY 126 KLVGFDQMECVPCGDPDPPEPHCASKVNLVKI-----ASTASSPRDTA-----L 170
Db 129 NIYG---MVCYSC-LLAPNTKECVGATSGASANFPFGTSGSSTLSLSPFOHAKHLSQGH 184
QY 171 AAVICSALATVL---LALLILCVYCKRQFMKKPS 203
Db 185 ATALIIAMSTIFMAIAIVLIIMFY-----ILTKPS 216

RESULT 5
US-08-097-827-11
; Sequence 11, Application US/08097827
; GENERAL INFORMATION:
; APPLICANT: Baum, Peter
; Goodwin, Ray
; Fanslow, William
; Gayle, Richard
; TITLE OF INVENTION: Novel Cytokine Which is a Ligand for
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/097,827
; FILING DATE: 23-Jul-1993
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia A.
; REGISTRATION NUMBER: 34,693
; REFERENCE/DOCKET NUMBER: 2806
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-587-0730
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 438 amino acids
```

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-08-097-827-11

Query Match 7.1%; Score 159; DB 1; Length 438;
Best Local Similarity 27.5%; Pred. No. 1.1e-06;
Matches 69; Conservative 31; Mismatches 93; Indels 58; Gaps 18;

QY 15 TLLVLLGYSCKVTCETGDCRQOEFRDRSGN-CVPCNOCGPGMELSKCEGFGYGEDAOCV 73
DB 9 TALLLLG-LTLGVTAARLNCVKHTY--PSGHKC--CRECQPGHGMVNR--DHTRDTLCH 61
QY 74 TRLHRFKEDMGFKCPCLDCAVNRFO-KANCATSATSDAICGDCPLPGFYRKTKLGVGQD 132
DB 62 PCETGFYNEAVNYDTCKQCTQCNHRSGSELKQNCPTQDVTVC-RCRPGTQPR-----QD 114
QY 133 -----MECVPCGDPPEYEP-----HCASKNVLVKIATASSPRDTALAAVIC---SALA 179
DB 115 SGYKLGVDVPC--PPGHFSPGNNOACKPWTNCTLSGKQTRHPASDSLDAV-CEDRSLLA 171
QY 180 TVLLALLILCVIYCKRQFMKKPSW---SLRSODIQYNGSELSCLDRLPOLHEYAHRACQ 236
DB 172 TLL-----WETQPTFRPTTVQSTTWPRTSELP--STPTLVE--PRSC-- 211
QY 237 CRRDSVQTCGP 247
DB 212 ---DKTHTCPP 219

RESULT 6
US-08-494-574-11
Sequence 11, Application US/08494574
Patent No. 5783665
GENERAL INFORMATION:
APPLICANT: Baum, Peter
APPLICANT: Goodwin, Ray
APPLICANT: Fanslow, William
APPLICANT: Gayle, Richard
TITLE OF INVENTION: No. 5783665el Cytokine Which is a Ligand for
TITLE OF INVENTION: OX40
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/494,574
FILING DATE: 22-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/097,827
FILING DATE: 23-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia A.
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2806
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-587-0730
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 438 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-494-574-11

Query Match 7.1%; Score 159; DB 1; Length 438;
Best Local Similarity 27.5%; Pred. No. 1.1e-06;
Matches 69; Conservative 31; Mismatches 93; Indels 58; Gaps 18;

QY 15 TLLVLLGYSCKVTCETGDCRQOEFRDRSGN-CVPCNOCGPGMELSKCEGFGYGEDAOCV 73
DB 9 TALLLLG-LTLGVTAARLNCVKHTY--PSGHKC--CRECQPGHGMVNR--DHTRDTLCH 61
QY 74 TRLHRFKEDMGFKCPCLDCAVNRFO-KANCATSATSDAICGDCPLPGFYRKTKLGVGQD 132
DB 62 PCETGFYNEAVNYDTCKQCTQCNHRSGSELKQNCPTQDVTVC-RCRPGTQPR-----QD 114
QY 133 -----MECVPCGDPPEYEP-----HCASKNVLVKIATASSPRDTALAAVIC---SALA 179
DB 115 SGYKLGVDVPC--PPGHFSPGNNOACKPWTNCTLSGKQTRHPASDSLDAV-CEDRSLLA 171
QY 180 TVLLALLILCVIYCKRQFMKKPSW---SLRSODIQYNGSELSCLDRLPOLHEYAHRACQ 236
DB 172 TLL-----WETQPTFRPTTVQSTTWPRTSELP--STPTLVE--PRSC-- 211
QY 237 CRRDSVQTCGP 247
DB 212 ---DKTHTCPP 219

RESULT 7
US-08-097-827-7
Sequence 7, Application US/08097827
GENERAL INFORMATION:
APPLICANT: Baum, Peter
APPLICANT: Goodwin, Ray
APPLICANT: Fanslow, William
APPLICANT: Gayle, Richard
TITLE OF INVENTION: Novel Cytokine Which is a Ligand for
TITLE OF INVENTION: OX40
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/097,827
FILING DATE: 23-JUL-1993
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia A.
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2806
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-587-0730
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 206 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-08-097-827-7

Query Match 6.7%; Score 150; DB 1; Length 206;
Best Local Similarity 30.1%; Pred. No. 2.6e-06;
Matches 55; Conservative 21; Mismatches 75; Indels 32; Gaps 13;

Qy	15	TLVLVLGYLSCKVT	CETGDCRQBFDRDSGN	-	CVPCNQCGPMELSK	CECGFGYGEDAQCV	73
		: : : :	: : : :		: : : :	: : : :	
Db	9	TALLLLG	-LTLGV	TARLLNCVKHTY	--PSGHC	--CRECQPGHGMVNR	61
		: : : :	: : : :	: : : :	: : : :	: : : :	
Qy	74	TCRLHRFKEDW	GFOKCPCLDCAVVNR	FQ	-KANGSATSDA	ICGDCLPFGFYRKT	132
		: : : :	: : : :	: : : :	: : : :	: : : :	
Db	62	PCETGYNEAVNY	DCKQCTQCNRHSG	SELKQNC	TPTQDTVC	-RCRPGTQPR	114
		: : : :	: : : :	: : : :	: : : :	: : : :	
Qy	133	-----MECV	PCGDP	PPPPYEP	-----HCASK	YNLVKIA	179
		: : : :	: : : :	: : : :	: : : :	: : : :	
Db	115	SGYKLGVD	CVPC	-PPGHFSPGN	QACKPWTNCT	LSGKQTRHPASD	171
		: : : :	: : : :	: : : :	: : : :	: : : :	
Qy	180	TVL	182	,			
		: :	: :				
Db	172	TLL	174				
		: :	: :				

RESULT 8
 US-08-494-574-7
 ; Sequence 7, Application US/08494574
 ; Patent No. 5783665
 ; GENERAL INFORMATION:
 ; APPLICANT: Baum, Peter
 ; APPLICANT: Goodwin, Ray
 ; APPLICANT: Fanslow, William
 ; APPLICANT: Gayle, Richard
 ; TITLE OF INVENTION: No. 5783665el Cytokine Which is a Ligand for
 ; TITLE OF INVENTION: OX40
 ; NUMBER OF SEQUENCES: 13
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Immunex Corporation
 ; STREET: 51 University Street
 ; CITY: Seattle
 ; STATE: WA
 ; COUNTRY: USA
 ; ZIP: 98101
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/494,574
 ; FILING DATE: 22-JUN-1995
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/097,827
 ; FILING DATE: 23-JUL-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Perkins, Patricia A.
 ; REGISTRATION NUMBER: 34,693
 ; REFERENCE/DOCKET NUMBER: 2806
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 206-587-0730
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 206 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-494-574-7

```

Db      62  PCSTGYNEAVNDYTKCQCTQCCHRRGSELKQNCCTPTQDTVC-RCRPGTQPR-----QD 114
Qy      133  -----MECVPCGDDPPPPYEP-----HCASKVNLVVKIATASSPRDTALAAVIC---SALA 179
Db      115  SGYKLGVDVCVC--PGHFSPGNQACKPWTNCTLSGKQTRHPASDLDV-CEDRSLLA 171
Qy      180  TVL 182
Db      172  TLL 174

RESULT 9
US-08-974-022-51
; Sequence 51, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Behavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 205 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-51

```


RESULT 10

US-08-795-445A-51
; Sequence 51, Application US/08795445A
; Patent No. 6284485
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795.445A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 205 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-795-445A-51

Query Match 6.4%; Score 145; DB 4; Length 205;

Best Local Similarity 28.6%; Pred. No. 7.5e-06;

Matches 54; Conservative 23; Mismatches 76; Indels 36; Gaps 12;

QY	9	QEKTFLLVLLGYLSCKVTCTGDCRQOEFRDR--SGN-CVPCNQCGPGMELSKGCGFG	65
DB	6	QOQTAFLLLGLSLGVTVKLNC-----VKDTYPSGHKC--CRECQPGHGMVSRC--D	52
QY	66	YGEDAQCVCRLHRFKEDWGFQKCKPCLDCAVNNRFO-KANCATSDAICGDCPLPGFYRK	124
DB	53	HTRDTVCHPCPEPGFYNEAVNYDTCKQTCQCHRSSELKQNTPTEDTVC-QCRPGTQPR	111
QY	125	TKLVGFQDMCVCPGDDPPPPYEP-----HCASKVNLV-----KIATSSAPRDTALAAVIC-	175
DB	112	QDSSHKLGVDCVPC--PPGHFSPGSNQACKPWTNCTLSGKQIRHPASNSLDT-----VCE	164
QY	176	--SALATVL	182
DB	165	DRSLLATLL	173

RESULT 11

US-08-795-447A-51
; Sequence 51, Application US/08795447A
; Patent No. 6284728
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi

; TITLE OF INVENTION: Osteoprotegerin
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: One Amgen Center Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91362-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795.447A
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378D2
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 205 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-795-447A-51

Query Match 6.4%; Score 145; DB 4; Length 205;

Best Local Similarity 28.6%; Pred. No. 7.5e-06;

Matches 54; Conservative 23; Mismatches 76; Indels 36; Gaps 12;

QY	9	QEKTFLLVLLGYLSCKVTCTGDCRQOEFRDR--SGN-CVPCNQCGPGMELSKGCGFG	65
DB	6	QOQTAFLLLGLSLGVTVKLNC-----VKDTYPSGHKC--CRECQPGHGMVSRC--D	52
QY	66	YGEDAQCVCRLHRFKEDWGFQKCKPCLDCAVNNRFO-KANCATSDAICGDCPLPGFYRK	124
DB	53	HTRDTVCHPCPEPGFYNEAVNYDTCKQTCQCHRSSELKQNTPTEDTVC-QCRPGTQPR	111
QY	125	TKLVGFQDMCVCPGDDPPPPYEP-----HCASKVNLV-----KIATSSAPRDTALAAVIC-	175
DB	112	QDSSHKLGVDCVPC--PPGHFSPGSNQACKPWTNCTLSGKQIRHPASNSLDT-----VCE	164
QY	176	--SALATVL	182
DB	165	DRSLLATLL	173

RESULT 12

US-08-974-186-51
; Sequence 51, Application US/08974186
; Patent No. 6284740
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

```
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,186
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 205 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-974-186-51

Query Match      6.4%; Score 145; DB 4; Length 205;
Best Local Similarity 28.6%; Pred. No. 7.5e-06;
Matches 54; Conservative 23; Mismatches 76; Indels 36; Gaps 12;

QY 9 QEKTFLLVLLGLYSCKVTCTGCRQOEPRDR--SGN-CVPCNQCQPGMELSKECGFG 65
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 6 QQPTAFLLGLSLGVTVKLNC-----VKDTYPSGHKC--CRECQPGHGMVSR--D 52

QY 66 YGEDAQCVTCRLHREFKEDWGFKCKPCLDCAVNVRFQ-KANCATSATSDAICGCLPGFYRK 124
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 53 HTRDTVCHPCPEPGFYNEAVNYDTCKQCTQCNHRSGSELKQNCPTPTDTCV-QCRPGTQPR 111

QY 125 TKLVGFQDMECVPCGDPDPYPPEP-----HCASKVNLV-----KIATASSPRDTALAAVIC- 175
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 112 QDSSHKLGVDCVPC--PPGHFSPGSNQACKPWTNCTLSGKQIRHPASNSLDT-----VCE 164

QY 176 --SALATVL 182
   | | | | |
Db 165 DRSLLATLL 173
```

```
RESULT 13
US-08-795-446B-51
; Sequence 51, Application US/08795446B
; Patent No. 6288032
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,446B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
```

```
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 205 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-795-446B-51

Query Match      6.4%; Score 145; DB 4; Length 205;
Best Local Similarity 28.6%; Pred. No. 7.5e-06;
Matches 54; Conservative 23; Mismatches 76; Indels 36; Gaps 12;

QY 9 QEKTFLLVLLGLYSCKVTCTGCRQOEPRDR--SGN-CVPCNQCQPGMELSKECGFG 65
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 6 QQPTAFLLGLSLGVTVKLNC-----VKDTYPSGHKC--CRECQPGHGMVSR--D 52

QY 66 YGEDAQCVTCRLHREFKEDWGFKCKPCLDCAVNVRFQ-KANCATSATSDAICGCLPGFYRK 124
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 53 HTRDTVCHPCPEPGFYNEAVNYDTCKQCTQCNHRSGSELKQNCPTPTDTCV-QCRPGTQPR 111

QY 125 TKLVGFQDMECVPCGDPDPYPPEP-----HCASKVNLV-----KIATASSPRDTALAAVIC- 175
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 112 QDSSHKLGVDCVPC--PPGHFSPGSNQACKPWTNCTLSGKQIRHPASNSLDT-----VCE 164

QY 176 --SALATVL 182
   | | | | |
Db 165 DRSLLATLL 173
```

```
RESULT 14
US-08-706-945D-138
; Sequence 138, Application US/08706945D
; Patent No. 6369027
; GENERAL INFORMATION:
; APPLICANT: Boyle, William
; APPLICANT: Lacey, David
; APPLICANT: Calzone, Frank
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: Osteoprotegerin
; FILE REFERENCE: A-378CIP
; CURRENT APPLICATION NUMBER: US/08/706,945D
; CURRENT FILING DATE: 1996-09-03
; PRIOR APPLICATION NUMBER: 08/577,788
; PRIOR FILING DATE: 1995-12-22
; NUMBER OF SEQ ID NOS: 145
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 138
; LENGTH: 205
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-08-706-945D-138
```

```
Query Match      6.4%; Score 145; DB 4; Length 205;
Best Local Similarity 28.6%; Pred. No. 7.5e-06;
Matches 54; Conservative 23; Mismatches 76; Indels 36; Gaps 12;

QY 9 QEKTFLLVLLGLYSCKVTCTGCRQOEPRDR--SGN-CVPCNQCQPGMELSKECGFG 65
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 6 QQPTAFLLGLSLGVTVKLNC-----VKDTYPSGHKC--CRECQPGHGMVSR--D 52

QY 66 YGEDAQCVTCRLHREFKEDWGFKCKPCLDCAVNVRFQ-KANCATSATSDAICGCLPGFYRK 124
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 53 HTRDTVCHPCPEPGFYNEAVNYDTCKQCTQCNHRSGSELKQNCPTPTDTCV-QCRPGTQPR 111

QY 125 TKLVGFQDMECVPCGDPDPYPPEP-----HCASKVNLV-----KIATASSPRDTALAAVIC- 175
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 112 QDSSHKLGVDCVPC--PPGHFSPGSNQACKPWTNCTLSGKQIRHPASNSLDT-----VCE 164

QY 176 --SALATVL 182
   | | | | |
Db 165 DRSLLATLL 173
```

RESULT 15
US-08-327-832-5
; Sequence 5, Application US/08327832
; Patent No. 5840832
; GENERAL INFORMATION:
; APPLICANT: Ono, Santa J.
; TITLE OF INVENTION: Transcription Factor Regulating MHC
; TITLE OF INVENTION: Expression, cDNA and Genomic Clones Encoding Same and
; TITLE OF INVENTION: Retroviral Expression Constructs Thereof
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: District of Columbia
; COUNTRY: U.S.A.
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/327,832
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Posorske, Laurence H.
; REGISTRATION NUMBER: 34,698
; REFERENCE/DOCKET NUMBER: 1107.46362
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 20-2 508-9153
; TELEFAX: 202 508-3299
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1104 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-327-832-5

Query Match 6.4%; Score 144; DB 2; Length 1104;
Best Local Similarity 18.8%; Pred. No. 9.7e-05;
Matches 110; Conservative 59; Mismatches 181; Indels 236; Gaps 27;
QY 24 SKVTCTGDCRQQRFRDRSGNVCPCNQCQPGMELSKGCG-----FGYGEDAQ----- 72
DB 440 SCNLLCHPG-----PCPPCPAFTKTCGGRTRHTVRCQAVSVHCNPN 484
QY 73 ---VTCRLHRFKEDWGFQKPCLDCAVVRNFKANCATS-DAICGDCPLPGFYKTKLV 128
DB 485 ENILNGQHQAELCHGGQCPQ--IILN--QVCYCGSTSRDLVCGTDV-----GKSD 534
QY 129 GFQDMEC-----VPCGD-----PPP-----PYEPHC--ASKVNLVKIATASS 164
DB 535 GFQDFSLCTGCKDLKCGNHTCSQVCHPQPCQCPRLPOLVRCCPGGTPLSLLGLSS 594
QY 165 PRDTALAAV-----IC-SALATVLLALLIL-----VYIKRQFMEXK- 201
DB 595 SRKTCMDPVPCGKVGKPLCGSLDFIHTCEKLCHEGDCGPVSRTSVISCRCSPRTKEL 654
QY 202 PWSLSRSQDI-----QYNGSELSCLDLDPQ-----LH-----EYA 230
DB 655 PCTSLKSEDTATMCDKRCNKKRLCGHHKNCIECCVDKEHKFLNCRKRLRGLHRCBPC 714
QY 231 HRACCO-CRRDSYQT-----CGVRLPLSMCC-----EE 258
DB 715 HRGNCQTCWQASFDLTCGASVIYPPVPCGTRPPECTQTCTARVHECDHPVYHSHSEE 774
QY 259 ACS-----PNPATLGCQVHSAASL----- 277

DB 775 KCPPTCTELTKQCMGKHEFRSNIPCHLVDISCGLPCSATLPCGMHKKQRLCHKGECLVDE 834
QY 278 -----QAR-----NAGPAGEMVPTFFGSLTQSI 300
DB 835 PKQPCPTTPRADCGHPCMAPCHTSSPCPVCTACKAKVLEQCECGRRKKEWVICSEASSTYQR 894
QY 301 CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
DB 895 IAAISMASKITDMQLGGS-----VEISKLTKKVHOARLECEDECSALERKKR--LAEAF 948
QY 361 PVQSHSENFTAATDLRYNNTLVESASTQDALTWRSQDQESGAI 406
DB 949 HISEDSPFNFIRSSGSKFSDSLKEDA--RKDLKFVSDVEKEMETLV 992
Search completed: June 23, 2003, 02:51:50
Job time : 19.3893 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 23, 2003, 02:37:02 ; Search time 30.2821 Seconds
(without alignments)
1490.061 Million cell updates/sec

Title: US-09-380-276A-4
Perfect score: 2255
Sequence: 1 MALKVLEQKTFLLVLL.....LDQSGAIIHPATQTSLOEA 417

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779.

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*

- 1: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	ID	Description
1	2247	99.6	417 10	US-09-780-532-2
2	2246	99.6	417 9	US-10-174-590-474
3	2246	99.6	417 9	US-10-176-758-474
4	2246	99.6	417 9	US-10-175-737-474
5	2246	99.6	417 9	US-10-173-706-474
6	2246	99.6	417 9	US-10-175-738-474
7	2246	99.6	417 9	US-10-175-752-474
8	2246	99.6	417 9	US-10-176-482-474
9	2246	99.6	417 9	US-10-176-757-474
10	2246	99.6	417 9	US-10-180-552-474
11	2246	99.6	417 9	US-10-180-557-474
12	2246	99.6	417 9	US-10-173-700-474
13	2246	99.6	417 9	US-10-174-572-474
14	2246	99.6	417 9	US-10-174-579-474
15	2246	99.6	417 9	US-10-174-582-474
16	2246	99.6	417 9	US-10-174-588-474
17	2246	99.6	417 9	US-10-175-739-474
18	2246	99.6	417 9	US-10-175-740-474
19	2246	99.6	417 9	US-10-175-740-474

20	2246	99.6	417 9	US-10-175-743-474	Sequence 474, App
21	2246	99.6	417 9	US-10-176-488-474	Sequence 474, App
22	2246	99.6	417 9	US-10-176-492-474	Sequence 474, App
23	2246	99.6	417 9	US-10-176-747-474	Sequence 474, App
24	2246	99.6	417 9	US-10-176-750-474	Sequence 474, App
25	2246	99.6	417 9	US-10-176-985-474	Sequence 474, App
26	2246	99.6	417 9	US-10-176-987-474	Sequence 474, App
27	2246	99.6	417 9	US-10-176-991-474	Sequence 474, App
28	2246	99.6	417 9	US-10-176-992-474	Sequence 474, App
29	2246	99.6	417 9	US-10-176-993-474	Sequence 474, App
30	2246	99.6	417 9	US-10-184-658-474	Sequence 474, App
31	2246	99.6	417 9	US-10-227-884-220	Sequence 220, App
32	2246	99.6	417 9	US-10-173-695-474	Sequence 474, App
33	2246	99.6	417 9	US-10-173-697-474	Sequence 474, App
34	2246	99.6	417 9	US-10-173-705-474	Sequence 474, App
35	2246	99.6	417 9	US-10-174-576-474	Sequence 474, App
36	2246	99.6	417 9	US-10-174-585-474	Sequence 474, App
37	2246	99.6	417 9	US-10-174-586-474	Sequence 474, App
38	2246	99.6	417 9	US-10-175-747-474	Sequence 474, App
39	2246	99.6	417 9	US-10-176-481-474	Sequence 474, App
40	2246	99.6	417 9	US-10-176-485-474	Sequence 474, App
41	2246	99.6	417 9	US-10-176-487-474	Sequence 474, App
42	2246	99.6	417 9	US-10-176-493-474	Sequence 474, App
43	2246	99.6	417 9	US-10-176-756-474	Sequence 474, App
44	2246	99.6	417 9	US-10-176-911-474	Sequence 474, App
45	2246	99.6	417 9	US-10-176-919-474	Sequence 474, App

ALIGNMENTS

RESULT 1
US-09-780-532-2
; Sequence 2, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09780,532
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-780-532-2

Query Match	99.6%	Score 2247;	DB 10;	Length 417;
Best Local Similarity	99.5%	Pred. No. 1.4e-175;		
Matches 415;	Conservative 1;	Mismatches 1;	Indels 0;	Gaps 0;
Qy	1	MALKVLEQKTFLLVLLGLYLSCKVTCTGDCRQOEFRDRSGNVCNCGPGMEUSK	60	
Db	1	MALKVLEQKTFLLVLLGLYLSCKVTCTGDCRQOEFRDRSGNVCNCGPGMEUSK	60	
Qy	61	ECGFGYGEDACVTCRLHRFKEDMGFKCKPCLCAVNVNRFQKANCATSATSDAICDCLPG	120	
Db	61	ECGFGYGEDACVTCRLHRFKEDMGFKCKPCLCAVNVNRFQKANCATSATSDAICDCLPG	120	
Qy	121	FYRKTGLVGFQDMBCVPCGDPDPPEPHCASKVNLVIKTIASSTASSPRDTALAAVICSALAT	180	
Db	121	FYRKTGLVGFQDMBCVPCGDPDPPEPHCASKVNLVIKTIASSTASSPRDTALAAVICSALAT	180	
Qy	181	VLLALLILCVLYCKRQPMKKPSLSRSODIYNGSELSCLDRPOLHEYAHRACCCRRD	240	
Db	181	VLLALLILCVLYCKRQPMKKPSLSRSODIYNGSELSCLDRPOLHEYAHRACCCRRD	240	

Db 181 VLLALLILCVYKQFMKKPSWLSRSQDIQYNGSELSCFDRPQLHEYAHRAACCQCRD 240
Qy 241 SVOTCGPVRLLPSMCCCEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVOTCGPVRLLPSMCCCEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMQNPMGMDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Db 301 CGEFSDAWPLMQNPMGMDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Qy 361 PVQSHSENFTAATDLRYNNTLVESASTQDALTMRSQLDOESGAIHPATQTSLOEA 417
Db 361 PVQSHSENFTAATDLRYNNTLVESASTQDALTMRSQLDOESGAIHPATQTSLOEA 417

RESULT 2
US-10-174-590-474
; Sequence 474, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C42
; CURRENT APPLICATION NUMBER: US/10/174,590
; Prior application removed - See File Wrapper or Palm
; CURRENT FILING DATE: 2002-06-18
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-590-474

Query Match 99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQEQFRDRSGNCVPCNQCQPGMELSK 60
Db 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQEQFRDRSGNCVPCNQCQPGMELSK 60
Qy 61 ECGFGYGEDAQCCTCLRHFKEDWGFKCKPCLDCAVNRFOKANCSDATCGDCLPG 120
Db 61 ECGFGYGEDAQCCTCLRHFKEDWGFKCKPCLDCAVNRFOKANCSDATCGDCLPG 120
Qy 121 FYRKTLLVGFQDMQMECVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
Db 121 FYRKTLLVGFQDMQMECVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
Qy 181 VLLALLILCVYKQFMKKPSWLSRSQDIQYNGSELSCFDRPQLHEYAHRAACCQCRD 240
Db 181 VLLALLILCVYKQFMKKPSWLSRSQDIQYNGSELSCFDRPQLHEYAHRAACCQCRD 240
Qy 241 SVOTCGPVRLLPSMCCCEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVOTCGPVRLLPSMCCCEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMQNPMGMDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Db 301 CGEFSDAWPLMQNPMGMDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Qy 361 PVQSHSENFTAATDLRYNNTLVESASTQDALTMRSQLDOESGAIHPATQTSLOEA 417
Db 361 PVQSHSENFTAATDLRYNNTLVESASTQDALTMRSQLDOESGAIHPATQTSLOEA 417

Db 361 PVQSHSENFTAATDLRYNNTLVESASTQDALTMRSQLDOESGAIHPATQTSLOEA 417

RESULT 3
US-10-176-758-474
; Sequence 474, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; Prior application removed - See File Wrapper or Palm
; CURRENT FILING DATE: 2002-06-21
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-758-474

Query Match 99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQEQFRDRSGNCVPCNQCQPGMELSK 60
Db 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQEQFRDRSGNCVPCNQCQPGMELSK 60
Qy 61 ECGFGYGEDAQCCTCLRHFKEDWGFKCKPCLDCAVNRFOKANCSDATCGDCLPG 120
Db 61 ECGFGYGEDAQCCTCLRHFKEDWGFKCKPCLDCAVNRFOKANCSDATCGDCLPG 120
Qy 121 FYRKTLLVGFQDMQMECVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
Db 121 FYRKTLLVGFQDMQMECVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
Qy 181 VLLALLILCVYKQFMKKPSWLSRSQDIQYNGSELSCFDRPQLHEYAHRAACCQCRD 240
Db 181 VLLALLILCVYKQFMKKPSWLSRSQDIQYNGSELSCFDRPQLHEYAHRAACCQCRD 240
Qy 241 SVOTCGPVRLLPSMCCCEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVOTCGPVRLLPSMCCCEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMQNPMGMDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Db 301 CGEFSDAWPLMQNPMGMDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Qy 361 PVQSHSENFTAATDLRYNNTLVESASTQDALTMRSQLDOESGAIHPATQTSLOEA 417
Db 361 PVQSHSENFTAATDLRYNNTLVESASTQDALTMRSQLDOESGAIHPATQTSLOEA 417

RESULT 4
US-10-175-737-474
; Sequence 474, Application US/10175737
; Publication No. US20030013153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian

```
; APPLICANT: Desnoyers,Luc
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C50
; CURRENT APPLICATION NUMBER: US/10/175,737
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-706-474

Query Match          99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MALKVLLLEQEKTFPTLLVLLGYLSCKVTCTGDCRQEQFRDRSGNVCVPCNOCGPGMELSK 60
Db 1 MALKVLLLEQEKTFPTLLVLLGYLSCKVTCTGDCRQEQFRDRSGNVCVPCNOCGPGMELSK 60
Qy 61 ECGFGYGEDAQCVTCLRLHREFKEDMGFKCKPCLDCAVVNRFOKANCATSATSDAICGDCPLPG 120
Db 61 ECGFGYGEDAQCVTCLRLHREFKEDMGFKCKPCLDCAVVNRFOKANCATSATSDAICGDCPLPG 120
Qy 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
Db 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
Qy 181 VLLALLILCVYCKRQFMEKPSWLSRSDIQYNGSELSCLDRLPOLHEYAHRACQCCRRD 240
Db 181 VLLALLILCVYCKRQFMEKPSWLSRSDIQYNGSELSCLDRLPOLHEYAHRACQCCRRD 240
Qy 241 SVQTCGVRLLPSMCCBEACSPNATLGCYVHSAASLOARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGVRLLPSMCCBEACSPNATLGCYVHSAASLOARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMNPNGDNI SFCDSPYELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Db 301 CGEFSDAWPLMNPNGDNI SFCDSPYELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Qy 361 PVQSHSENFNTAATDLRYNNNTLVESASTQDALTWRSQDQESGAIHPATQTSLOEA 417
Db 361 PVQSHSENFNTAATDLRYNNNTLVESASTQDALTWRSQDQESGAIHPATQTSLOEA 417

RESULT 5
US-10-173-706-474
; Sequence 474, Application US/10173706
; Publication No. US2003002293A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C45
; CURRENT APPLICATION NUMBER: US/10/175,738
; CURRENT FILING DATE: 2002-06-19
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-706-474
```

```
; FILE REFERENCE: P3430R1C7
; CURRENT APPLICATION NUMBER: US/10/173,706
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-706-474

Query Match          99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MALKVLLLEQEKTFPTLLVLLGYLSCKVTCTGDCRQEQFRDRSGNVCVPCNOCGPGMELSK 60
Db 1 MALKVLLLEQEKTFPTLLVLLGYLSCKVTCTGDCRQEQFRDRSGNVCVPCNOCGPGMELSK 60
Qy 61 ECGFGYGEDAQCVTCLRLHREFKEDMGFKCKPCLDCAVVNRFOKANCATSATSDAICGDCPLPG 120
Db 61 ECGFGYGEDAQCVTCLRLHREFKEDMGFKCKPCLDCAVVNRFOKANCATSATSDAICGDCPLPG 120
Qy 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
Db 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
Qy 181 VLLALLILCVYCKRQFMEKPSWLSRSDIQYNGSELSCLDRLPOLHEYAHRACQCCRRD 240
Db 181 VLLALLILCVYCKRQFMEKPSWLSRSDIQYNGSELSCLDRLPOLHEYAHRACQCCRRD 240
Qy 241 SVQTCGVRLLPSMCCBEACSPNATLGCYVHSAASLOARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGVRLLPSMCCBEACSPNATLGCYVHSAASLOARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMNPNGDNI SFCDSPYELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Db 301 CGEFSDAWPLMNPNGDNI SFCDSPYELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
Qy 361 PVQSHSENFNTAATDLRYNNNTLVESASTQDALTWRSQDQESGAIHPATQTSLOEA 417
Db 361 PVQSHSENFNTAATDLRYNNNTLVESASTQDALTWRSQDQESGAIHPATQTSLOEA 417

RESULT 6
US-10-175-738-474
; Sequence 474, Application US/10175738
; Publication No. US2003002229A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C45
; CURRENT APPLICATION NUMBER: US/10/175,738
; CURRENT FILING DATE: 2002-06-19
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-738-474
```

Query Match 99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLEQKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCPVNCQCGPMELSK 60
DB 1 MALKVLEQKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCPVNCQCGPMELSK 60

QY 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNNRFQKANCATSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNNRFQKANCATSDAICGDCPLG 120

QY 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
DB 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180

QY 181 VLLALLILCVIYCKRQPMKPSWLSRSQDIQYNGSELSCLDLPOLHEVYAHRAACCCRRD 240
DB 181 VLLALLILCVIYCKRQPMKPSWLSRSQDIQYNGSELSCLDLPOLHEVYAHRAACCCRRD 240

QY 241 SVQTCGPVRLLPSCMCCEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLLPSCMCCEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

QY 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTLSNNSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTLSNNSQDLVGGAV 360

QY 361 PVQSHSENFATDLSRYNNTLVESASTQDALTMRSQDQESGAVIHPATQTSLOEA 417
DB 361 PVQSHSENFATDLSRYNNTLVESASTQDALTMRSQDQESGAVIHPATQTSLOEA 417

RESULT 7
US-10-175-752-474
; Sequence 474, Application US/10175752
; Publication No. US20030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175,752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-175-752-474

Query Match 99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLEQKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCPVNCQCGPMELSK 60
DB 1 MALKVLEQKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCPVNCQCGPMELSK 60

QY 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNNRFQKANCATSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNNRFQKANCATSDAICGDCPLG 120

QY 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
DB 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180

QY 181 VLLALLILCVIYCKRQPMKPSWLSRSQDIQYNGSELSCLDLPOLHEVYAHRAACCCRRD 240
DB 181 VLLALLILCVIYCKRQPMKPSWLSRSQDIQYNGSELSCLDLPOLHEVYAHRAACCCRRD 240

QY 241 SVQTCGPVRLLPSCMCCEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLLPSCMCCEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

QY 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTLSNNSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTLSNNSQDLVGGAV 360

QY 361 PVQSHSENFATDLSRYNNTLVESASTQDALTMRSQDQESGAVIHPATQTSLOEA 417
DB 361 PVQSHSENFATDLSRYNNTLVESASTQDALTMRSQDQESGAVIHPATQTSLOEA 417

RESULT 8
US-10-176-482-474
; Sequence 474, Application US/10176482
; Publication No. US20030022296A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C70
; CURRENT APPLICATION NUMBER: US/10/176,482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-176-482-474

Query Match 99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLEQKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCPVNCQCGPMELSK 60
DB 1 MALKVLEQKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCPVNCQCGPMELSK 60

QY 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNNRFQKANCATSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNNRFQKANCATSDAICGDCPLG 120

QY 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
DB 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180

QY 181 VLLALLILCVIYCKRQPMKPSWLSRSQDIQYNGSELSCLDLPOLHEVYAHRAACCCRRD 240
DB 181 VLLALLILCVIYCKRQPMKPSWLSRSQDIQYNGSELSCLDLPOLHEVYAHRAACCCRRD 240

QY 241 SVQTCGPVRLLPSCMCCEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLLPSCMCCEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

Db 241 SVQTCGPVRLPMSMCCCEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMNPMPGMDNISFCDSYPELTGDIHSLNPELESSTLSDNSQDLVGGAV 360
Db 301 CGEFSDAWPLMNPMPGMDNISFCDSYPELTGDIHSLNPELESSTLSDNSQDLVGGAV 360
Qy 361 PVQSHSENFATATDLRYNNNTLVESASTQDALTMRSQDLSGAIHPATQTSLOEA 417
Db 361 PVQSHSENFATATDLRYNNNTLVESASTQDALTMRSQDLSGAIHPATQTSLOEA 417

RESULT 9
US-10-176-757-474
; Sequence 474, Application US/10176757
; Publication No. US20030022297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,757
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-757-474

Query Match 99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
Qy 1 MALKVLEQEKTFLLVLLGLYLSCKVTCTGDCRQEQEERDRSGNVCPCNQCQPGMELSK 60
Db 1 MALKVLEQEKTFLLVLLGLYLSCKVTCTGDCRQEQEERDRSGNVCPCNQCQPGMELSK 60
Qy 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNNRFQKANCATSATSDAICGDCPLG 120
Db 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNNRFQKANCATSATSDAICGDCPLG 120
Qy 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
Db 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
Qy 181 VLLALLILCVYCKQFMKKPSWLSRSQDIQYNGSELSCLDRLPOLHEYAHRACQCCRRD 240
Db 181 VLLALLILCVYCKQFMKKPSWLSRSQDIQYNGSELSCLDRLPOLHEYAHRACQCCRRD 240
Qy 241 SVQTCGPVRLPMSMCCCEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGPVRLPMSMCCCEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMNPMPGMDNISFCDSYPELTGDIHSLNPELESSTLSDNSQDLVGGAV 360
Db 301 CGEFSDAWPLMNPMPGMDNISFCDSYPELTGDIHSLNPELESSTLSDNSQDLVGGAV 360
Qy 361 PVQSHSENFATATDLRYNNNTLVESASTQDALTMRSQDLSGAIHPATQTSLOEA 417
Db 361 PVQSHSENFATATDLRYNNNTLVESASTQDALTMRSQDLSGAIHPATQTSLOEA 417

Query Match 99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
Qy 1 MALKVLEQEKTFLLVLLGLYLSCKVTCTGDCRQEQEERDRSGNVCPCNQCQPGMELSK 60
Db 1 MALKVLEQEKTFLLVLLGLYLSCKVTCTGDCRQEQEERDRSGNVCPCNQCQPGMELSK 60
Qy 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNNRFQKANCATSATSDAICGDCPLG 120
Db 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNNRFQKANCATSATSDAICGDCPLG 120
Qy 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
Db 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
Qy 181 VLLALLILCVYCKQFMKKPSWLSRSQDIQYNGSELSCLDRLPOLHEYAHRACQCCRRD 240
Db 181 VLLALLILCVYCKQFMKKPSWLSRSQDIQYNGSELSCLDRLPOLHEYAHRACQCCRRD 240
Qy 241 SVQTCGPVRLPMSMCCCEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGPVRLPMSMCCCEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMNPMPGMDNISFCDSYPELTGDIHSLNPELESSTLSDNSQDLVGGAV 360
Db 301 CGEFSDAWPLMNPMPGMDNISFCDSYPELTGDIHSLNPELESSTLSDNSQDLVGGAV 360
Qy 361 PVQSHSENFATATDLRYNNNTLVESASTQDALTMRSQDLSGAIHPATQTSLOEA 417
Db 361 PVQSHSENFATATDLRYNNNTLVESASTQDALTMRSQDLSGAIHPATQTSLOEA 417

RESULT 10
US-10-176-913-474
; Sequence 474, Application US/10176913
; Publication No. US20030022298A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C66
; CURRENT APPLICATION NUMBER: US/10/176,913
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-913-474

Query Match 99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
Qy 1 MALKVLEQEKTFLLVLLGLYLSCKVTCTGDCRQEQEERDRSGNVCPCNQCQPGMELSK 60
Db 1 MALKVLEQEKTFLLVLLGLYLSCKVTCTGDCRQEQEERDRSGNVCPCNQCQPGMELSK 60
Qy 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNNRFQKANCATSATSDAICGDCPLG 120
Db 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNNRFQKANCATSATSDAICGDCPLG 120
Qy 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
Db 121 FYRKTGLVGFQDMECVPCGDPDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
Qy 181 VLLALLILCVYCKQFMKKPSWLSRSQDIQYNGSELSCLDRLPOLHEYAHRACQCCRRD 240
Db 181 VLLALLILCVYCKQFMKKPSWLSRSQDIQYNGSELSCLDRLPOLHEYAHRACQCCRRD 240
Qy 241 SVQTCGPVRLPMSMCCCEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGPVRLPMSMCCCEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMNPMPGMDNISFCDSYPELTGDIHSLNPELESSTLSDNSQDLVGGAV 360
Db 301 CGEFSDAWPLMNPMPGMDNISFCDSYPELTGDIHSLNPELESSTLSDNSQDLVGGAV 360
Qy 361 PVQSHSENFATATDLRYNNNTLVESASTQDALTMRSQDLSGAIHPATQTSLOEA 417
Db 361 PVQSHSENFATATDLRYNNNTLVESASTQDALTMRSQDLSGAIHPATQTSLOEA 417

RESULT 11
US-10-180-552-474
; Sequence 474, Application US/10180552
; Publication No. US20030022300A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.

```
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C153
; CURRENT APPLICATION NUMBER: US/10/180,552
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-552-474

Query Match          99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQEKTFPTLLVLLGLYSCKVTCTGDCRQEQFRDRSGNVCPCNQCQPGMELSK 60
Db 1 MALKVLLLEQEKTFPTLLVLLGLYSCKVTCTGDCRQEQFRDRSGNVCPCNQCQPGMELSK 60

QY 61 ECGFGYGEDAQCVCVTRLHFRFKEDWGFQKCKPCLDCAVAVNRFOKANCATSDAICGDCPLG 120
Db 61 ECGFGYGEDAQCVCVTRLHFRFKEDWGFQKCKPCLDCAVAVNRFOKANCATSDAICGDCPLG 120

QY 121 FYRKTGLVGFQDMQVPCGDPDPPEPHCASKVNLVKIATSTASSPRDTALAAVICSALAT 180
Db 121 FYRKTGLVGFQDMQVPCGDPDPPEPHCASKVNLVKIATSTASSPRDTALAAVICSALAT 180

QY 181 VLLALLILCVIYCKRQFMKKPSWLSRSODIQYNGSELSCLDLPOLHEVAHRACCCQCRD 240
Db 181 VLLALLILCVIYCKRQFMKKPSWLSRSODIQYNGSELSCLDLPOLHEVAHRACCCQCRD 240

QY 241 SVQTCGPVRLLPSCMCEEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGPVRLLPSCMCEEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

QY 301 CGEFSDAWPLMQNPMGNDISFCDSYPELTGEDIHSLNPELESSTSLDSSQDLVGGAV 360
Db 301 CGEFSDAWPLMQNPMGNDISFCDSYPELTGEDIHSLNPELESSTSLDSSQDLVGGAV 360

QY 361 PVQSHSENFTAATDLRYNNLTVESASTQDALTMRSQLDOESGAIHPATQTSLOEA 417
Db 361 PVQSHSENFTAATDLRYNNLTVESASTQDALTMRSQLDOESGAIHPATQTSLOEA 417

RESULT 12
US-10-180-557-474
; Sequence 474, Application US/10180557
; Publication No. US20030022301A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Deenoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C147
; CURRENT APPLICATION NUMBER: US/10/180,557
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
```

```
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-557-474

Query Match          99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQEKTFPTLLVLLGLYSCKVTCTGDCRQEQFRDRSGNVCPCNQCQPGMELSK 60
Db 1 MALKVLLLEQEKTFPTLLVLLGLYSCKVTCTGDCRQEQFRDRSGNVCPCNQCQPGMELSK 60

QY 61 ECGFGYGEDAQCVCVTRLHFRFKEDWGFQKCKPCLDCAVAVNRFOKANCATSDAICGDCPLG 120
Db 61 ECGFGYGEDAQCVCVTRLHFRFKEDWGFQKCKPCLDCAVAVNRFOKANCATSDAICGDCPLG 120

QY 121 FYRKTGLVGFQDMQVPCGDPDPPEPHCASKVNLVKIATSTASSPRDTALAAVICSALAT 180
Db 121 FYRKTGLVGFQDMQVPCGDPDPPEPHCASKVNLVKIATSTASSPRDTALAAVICSALAT 180

QY 181 VLLALLILCVIYCKRQFMKKPSWLSRSODIQYNGSELSCLDLPOLHEVAHRACCCQCRD 240
Db 181 VLLALLILCVIYCKRQFMKKPSWLSRSODIQYNGSELSCLDLPOLHEVAHRACCCQCRD 240

QY 241 SVQTCGPVRLLPSCMCEEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGPVRLLPSCMCEEACSPNATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

QY 301 CGEFSDAWPLMQNPMGNDISFCDSYPELTGEDIHSLNPELESSTSLDSSQDLVGGAV 360
Db 301 CGEFSDAWPLMQNPMGNDISFCDSYPELTGEDIHSLNPELESSTSLDSSQDLVGGAV 360

QY 361 PVQSHSENFTAATDLRYNNLTVESASTQDALTMRSQLDOESGAIHPATQTSLOEA 417
Db 361 PVQSHSENFTAATDLRYNNLTVESASTQDALTMRSQLDOESGAIHPATQTSLOEA 417

RESULT 13
US-10-173-700-474
; Sequence 474, Application US/10173700
; Publication No. US20030027262A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Deenoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C14
; CURRENT APPLICATION NUMBER: US/10/173,700
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-700-474

Query Match          99.6%; Score 2246; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1.7e-175;
Matches 414; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
```


Db 301 CGEESDAWPLMOPMGDNI SFCDSYP ELTGTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
Qy 361 PVQSHSENFATAATDLSRYNNTLVESASTQDALTMRSQLDOESGAIHPATQTSLOEA 417
Db 361 PVQSHSENFATAATDLSRYNNTLVESASTQDALTMRSQLDOESGAVIHPATQTSLOEA 417

Search completed: June 23, 2003, 03:02:57
Job time : 33.2821 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 22, 2003, 16:36:23 ; Search time 61.0096 Seconds
(without alignments)
6378.877 Million cell updates/sec

Title: US-09-380-276A-5
Perfect score: 1269
Sequence: 1 atggctttaaagtgtact.....ggcagcactgggttcctcg 1269

Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
1: /cgn2_6/prodata/1/ina/5A-COMB.seq.*
2: /cgn2_6/prodata/1/ina/5B-COMB.seq.*
3: /cgn2_6/prodata/1/ina/6A-COMB.seq.*
4: /cgn2_6/prodata/1/ina/6B-COMB.seq.*
5: /cgn2_6/prodata/1/ina/PCTUS-COMB.seq.*
6: /cgn2_6/prodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	435.4	34.3	893	4	US-09-286-529-8
2	314	24.7	623	4	US-09-286-529-9
3	36.4	2.9	1601	1	US-08-722-001-7
4	36.4	2.9	1987	1	US-08-722-001-26
5	36.4	2.9	1997	1	US-08-722-001-27
6	36.4	2.9	2004	1	US-08-722-001-11
7	36.2	2.9	2485	1	US-08-424-4248-1
8	36.2	2.9	2486	5	PCT-US94-0533A-1
9	36	2.8	4136	4	US-09-103-873-2
10	35.6	2.8	1150	4	US-09-372-934-3
11	34.8	2.7	1639	1	US-08-334-698-5
12	34.8	2.7	1639	1	US-08-228-932-5
13	34.8	2.7	1639	1	US-08-468-939-5
14	34.8	2.7	1639	2	US-08-406-855A-5
15	34.8	2.7	1639	2	US-08-722-190-5
16	34.8	2.7	1639	3	US-08-244-354-5
17	34.8	2.7	1639	3	US-09-206-899-5
18	34.8	2.7	1639	4	US-09-444-783-5
19	34.8	2.7	1639	4	US-09-688-415-5
20	34.8	2.7	1639	5	PCT-US95-04203-5
21	34.6	2.7	5362	6	5366025-5
22	34.6	2.7	7218	1	US-08-232-463-14
23	33.8	2.7	4403765	4	US-09-103-840A-2
24	33.8	2.7	4411529	4	US-09-103-840A-1
25	33.6	2.6	800	2	US-08-416-603-11
26	33.4	2.6	4360	2	US-08-470-350B-1
27	33.2	2.6	760	4	US-09-280-116-175
28	33.2	2.6	760	4	US-09-280-116-175
29	33.2	2.6	760	4	US-09-280-116-175
30	33.2	2.6	760	4	US-09-280-116-175
31	33.2	2.6	760	4	US-09-280-116-175
32	33.2	2.6	760	4	US-09-280-116-175
33	33.2	2.6	760	4	US-09-280-116-175
34	33.2	2.6	760	4	US-09-280-116-175
35	33.2	2.6	760	4	US-09-280-116-175
36	33.2	2.6	760	4	US-09-280-116-175
37	33.2	2.6	760	4	US-09-280-116-175
38	33.2	2.6	760	4	US-09-280-116-175
39	33.2	2.6	760	4	US-09-280-116-175
40	33.2	2.6	760	4	US-09-280-116-175
41	33.2	2.6	760	4	US-09-280-116-175
42	33.2	2.6	760	4	US-09-280-116-175
43	33.2	2.6	760	4	US-09-280-116-175
44	33.2	2.6	760	4	US-09-280-116-175
45	33.2	2.6	760	4	US-09-280-116-175
46	33.2	2.6	760	4	US-09-280-116-175
47	33.2	2.6	760	4	US-09-280-116-175
48	33.2	2.6	760	4	US-09-280-116-175
49	33.2	2.6	760	4	US-09-280-116-175
50	33.2	2.6	760	4	US-09-280-116-175
51	33.2	2.6	760	4	US-09-280-116-175
52	33.2	2.6	760	4	US-09-280-116-175
53	33.2	2.6	760	4	US-09-280-116-175
54	33.2	2.6	760	4	US-09-280-116-175
55	33.2	2.6	760	4	US-09-280-116-175
56	33.2	2.6	760	4	US-09-280-116-175
57	33.2	2.6	760	4	US-09-280-116-175
58	33.2	2.6	760	4	US-09-280-116-175
59	33.2	2.6	760	4	US-09-280-116-175
60	33.2	2.6	760	4	US-09-280-116-175
61	33.2	2.6	760	4	US-09-280-116-175
62	33.2	2.6	760	4	US-09-280-116-175
63	33.2	2.6	760	4	US-09-280-116-175
64	33.2	2.6	760	4	US-09-280-116-175
65	33.2	2.6	760	4	US-09-280-116-175
66	33.2	2.6	760	4	US-09-280-116-175
67	33.2	2.6	760	4	US-09-280-116-175
68	33.2	2.6	760	4	US-09-280-116-175
69	33.2	2.6	760	4	US-09-280-116-175
70	33.2	2.6	760	4	US-09-280-116-175
71	33.2	2.6	760	4	US-09-280-116-175
72	33.2	2.6	760	4	US-09-280-116-175
73	33.2	2.6	760	4	US-09-280-116-175
74	33.2	2.6	760	4	US-09-280-116-175
75	33.2	2.6	760	4	US-09-280-116-175
76	33.2	2.6	760	4	US-09-280-116-175
77	33.2	2.6	760	4	US-09-280-116-175
78	33.2	2.6	760	4	US-09-280-116-175
79	33.2	2.6	760	4	US-09-280-116-175
80	33.2	2.6	760	4	US-09-280-116-175
81	33.2	2.6	760	4	US-09-280-116-175
82	33.2	2.6	760	4	US-09-280-116-175
83	33.2	2.6	760	4	US-09-280-116-175
84	33.2	2.6	760	4	US-09-280-116-175
85	33.2	2.6	760	4	US-09-280-116-175
86	33.2	2.6	760	4	US-09-280-116-175
87	33.2	2.6	760	4	US-09-280-116-175
88	33.2	2.6	760	4	US-09-280-116-175
89	33.2	2.6	760	4	US-09-280-116-175
90	33.2	2.6	760	4	US-09-280-116-175
91	33.2	2.6	760	4	US-09-280-116-175
92	33.2	2.6	760	4	US-09-280-116-175
93	33.2	2.6	760	4	US-09-280-116-175
94	33.2	2.6	760	4	US-09-280-116-175
95	33.2	2.6	760	4	US-09-280-116-175
96	33.2	2.6	760	4	US-09-280-116-175
97	33.2	2.6	760	4	US-09-280-116-175
98	33.2	2.6	760	4	US-09-280-116-175
99	33.2	2.6	760	4	US-09-280-116-175
100	33.2	2.6	760	4	US-09-280-116-175

c 28	33	2.6	1458	4	US-09-134-001C-989	Sequence 989, Appl
c 29	33	2.6	9472	1	US-08-325-547-9	Sequence 9, Appli
c 30	32.8	2.6	2230	1	US-08-200-512-1	Sequence 1, Appli
c 31	32.8	2.6	3786	4	US-08-961-527-182	Sequence 182, App
c 32	32.8	2.6	6822	4	US-09-426-998-3	Sequence 3, Appli
c 33	32.8	2.6	7741	4	US-09-426-998-4	Sequence 4, Appli
c 34	32.6	2.6	1593	2	US-08-524-828-2	Sequence 2, Appli
c 35	32.6	2.6	1593	2	US-08-975-114A-2	Sequence 2, Appli
c 36	32.6	2.6	1593	3	US-08-849-281A-2	Sequence 2, Appli
c 37	32.6	2.6	2247	2	US-08-524-828-1	Sequence 1, Appli
c 38	32.6	2.6	2247	2	US-08-975-114A-1	Sequence 1, Appli
c 39	32.6	2.6	2613	4	US-09-255-829-7	Sequence 7, Appli
c 40	32.6	2.6	2616	4	US-09-255-829-1	Sequence 1, Appli
c 41	32.6	2.6	2616	4	US-09-255-829-25	Sequence 25, Appli
c 42	32.6	2.6	2622	4	US-09-255-829-5	Sequence 5, Appli
c 43	32.6	2.6	2628	4	US-09-255-829-9	Sequence 9, Appli
c 44	32.6	2.6	2637	4	US-09-255-829-11	Sequence 11, Appli
c 45	32.6	2.6	2685	4	US-09-255-829-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1

US-09-286-529-8
; Sequence 8, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286, 529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 893
; TYPE: DNA
; ORGANISM: human
US-09-286-529-8

Query Match 34.3%; Score 435.4; DB 4; Length 893;
Best Local Similarity 82.1%; Pred. No. 1.4e-125;
Matches 513; Conservative 0; Mismatches 111; Indels 1; Gaps 1;

QY	1	ATGGCTTTAAAGTCTACTAGAACAGAGAAAGCTTTTTCACATCTTTTACTATTACTA	60
DB	55	ATGGCACTCAAGTCTTACCTTCTACAGGACGGTCTCTTCGTCGCCATTTCTTCTTA	114
QY	61	GGCTATTTTGTTCATGTAAAGTCACTTTGTGAAACAGGAGACTGTAGACAGCAAGATTTCAGG	120
DB	115	CTCCACCTGGCATGTAAAGTGAAGTTGCCAAACCGAGATTGTCAGGACAGCAAGATTCAAG	174
QY	121	GATCGGTCTGAAACTGTGTTCCCTGCAACAGTGTGGCCAGGATGAGTGTCTTAAG	180
DB	175	GATGATCTGAAACTGTGTTCTCTGCAACAGTGTGGACCTGGCATGGAGTTGTCCAAG	234
QY	181	GAATGTGCTTCGGGTATGGGAGGATGCACAGTGTGTGACGTGCGGTGCACAGGTTTC	240
DB	235	GAATGTGCTTCGGGTATGGGAGGATGCACAGTGTGTGACGTGCGGTGCACAGGTTTC	294
QY	241	AAGGAGGACTGGGGTTCAGAAATGCAAGCCCTCTCTGAGTGGCGAGTGGTGAACCGC	300
DB	295	AAGGAGGACTGGGGTTCAGAAATGCAAGCCCTCTCTGAGTGGCGAGTGGTGAACCGC	354
QY	301	TTTCAGAGGCAATTTGTTCAGCCACAGTGTATGTCATCTGGGGGACTGCTTGGCAGGA	360
DB	355	TTTCAGAGGCAATTTGTTCAGCCACAGTGTATGTCATCTGGGGGACTGCTTGGCAGGA	414
QY	361	TTTATAGAGACGAAACTTTGTGGCTTTTCAAGACATGGAGTGTGCTTGTGGAGAC	420
DB	415	TTTATAGAGACGAAACTTTGTGGCTTTTCAAGACATGGAGTGTGCTTGTGGAGAC	474

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/722,001
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/229,276
FILING DATE: 14-APR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Appollina, Mary A.
REGISTRATION NUMBER: 34,087
REFERENCE/DOCKET NUMBER: 19169Y
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3462
TELEFAX: (908)594-4720
TELEX: 138825
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 2004 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-722-001-11

Query Match 2.9%; Score 36.4; DB 1; Length 2004;
Best Local Similarity 52.7%; Pred. No. 0.38;
Matches 79; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

QY 474 CGGCTCCAGGCTCCAGCCCGGACGCGCTGGCTGGCTTATGTCAGCGCTCT 533
DB 1107 CGAGGACGAGACCATCTGCAGATCAACGAGGAGCGGCTAGTGTCTTCTCGGCTCT 1166

QY 534 GGCACCGCTCTCTGGCCCTGCTCATCTCTGTGTATGTCATCTATTTAAGAGACAGTTTAT 593
DB 1167 GGGCTCTTCTACTTCTGCTTGGCCATCATCTGTGTATGTCATCTGCGGCTCTACGTGT 1226

QY 594 GGAGAAGAACCCAGCTGTGTCTTGGCGTC 623
DB 1227 GGCAAGAGGAGAGCGCGGCTCAAGTC 1256

RESULT 7
US-08-424-424B-1
Sequence 1, Application US/08424424B
Patent No. 5759854
GENERAL INFORMATION:
APPLICANT: LI, ET AL.
TITLE OF INVENTION: Neurotransmitter Transporter
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/424,424B
FILING DATE: APRIL 21, 1995
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/05363
FILING DATE: MAY 25, 1996
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-308
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2485 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: cDNA
US-08-424-424B-1

Query Match 2.9%; Score 36.2; DB 1; Length 2485;
Best Local Similarity 56.2%; Pred. No. 0.5;
Matches 68; Conservative 0; Mismatches 53; Indels 0; Gaps 0;

QY 453 CAGGTCAACCTCGTGAAGATCGCTCCAGCGCTCCAGCCCGGACGCGCTGCG 512
DB 2023 CAGCATCATCCAGCTGGGGTTCACGCCCCCGCTACAGCGCTGGATCAAGGAGGCG 2082

QY 513 TGCCGTTATCTGCAGCGCTCTGGCCACCGTCTGTGTGGCCCTGTCTCTGTGTCTAT 572
DB 2083 TGCCGAGCGCTACCTGTATTTCCCACTGGCCCATGGCACTCTGTATCACCTCATCT 2142

QY 573 C-573
DB 2143 C 2143

RESULT 8
PCT-US94-05363A-1
Sequence 1, Application PC/TUS9405363A
GENERAL INFORMATION:
APPLICANT: LI, ET AL.
TITLE OF INVENTION: Neurotransmitter Transporter
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/05363A
FILING DATE: SUBMITTED HEREWITH
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: FERRARO, GREGORY D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-118
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2486 BASE PAIRS

TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: CDNA
PCT-US94-05363A-1
Query Match 2.9%; Score 36.2; DB 5; Length 2486;
Best Local Similarity 56.2%; Pred. No. 0.5;
Matches 68; Conservative 0; Mismatches 53; Indels 0; Gaps 0;
QY 453 CAAGGTCAACCTCGTGAAGATCGGTCCACGGCTCCAGCCACGGGACACGGCGTGGC 512
Db 2024 GAGCATCACTCAGCTGAGGTGCGCCCGCCCTACAGCGCTGGATCAAGGAGAGGC 2083
QY 513 TGGCGTTATCTCGAGCGCTCTGGCCACCGTCTGTGTGGCCCTGCTCATCTCTGTGTAT 572
Db 2084 TGGCGAGCGTACTGTATTTCCTCCCACTGGCCCATGGCACTCTGTATCACCTCATGT 2143
QY 573 C 573
Db 2144 C 2144

RESULT 9

US-09-103-875-2/c
Sequence 2, Application US/09103875A
Patent No. 6221849
GENERAL INFORMATION:
APPLICANT: Syzf, Moshe
APPLICANT: Bigey, Pascal
APPLICANT: Ramchandani, Shyam
TITLE OF INVENTION: DNA METHYLTRANSFERASE GENOMIC SEQUENCES AND ANTISENSE
FILE REFERENCE: 106101.194
CURRENT APPLICATION NUMBER: US/09/103,875A
CURRENT FILING DATE: 1998-06-24
EARLIER APPLICATION NUMBER: 60/069,865
EARLIER FILING DATE: 1997-12-17
EARLIER APPLICATION NUMBER: 08/866,340
EARLIER FILING DATE: 1997-05-30
NUMBER OF SEQ ID NOS: 138
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 4136
TYPE: DNA
ORGANISM: Homo sapiens
US-09-103-875-2

Query Match 2.8%; Score 36; DB 4; Length 4136;
Best Local Similarity 49.5%; Pred. No. 0.79;
Matches 93; Conservative 0; Mismatches 95; Indels 0; Gaps 0;
QY 689 CCCACAGACCTGCTGCCAGTCCGCGGATCTCAGTGCAGACCTGCGGCGCGTGGCT 748
Db 3917 CCACCCAGCGCTCGCTCTCCCTGAGTCCGTTCCCCCATGTACTACCGCC 3858
QY 749 TGCTCCCATCCATGCTGTGAGGAGCCTGCAGCCCCAACCCGCGCATCTTGTGTGTG 808
Db 3857 TCGGACATCGTCGGGACGAGATGGCGGGACGCGCCAGTGTGGCACCGCGTGGG 3798
QY 809 GGGTGCATCTCAGCGCATCTTCAGGCAAGAAACGAGGCCACCGGGGAGATGGTGC 868
Db 3797 CGGTACGCGCGCGCATCTCGAGGGCTTCAGACAGCGCGCGCGGCGGCGCC 3738
QY 869 CGACTTTC 876
Db 3737 GCGTTTTC 3730

RESULT 10

US-09-372-934-3
Sequence 3, Application US/09372934
Patent No. 6248579

GENERAL INFORMATION:
APPLICANT: Stutzman-Engwall, Kim J.
APPLICANT: McArthur, Hamish
APPLICANT: Katoh, Yoshihiro
TITLE OF INVENTION: STREPTOMYCES AVERMITILIS GENE DIRECTING THE RATIO OF
FILE REFERENCE: PCI0649
CURRENT APPLICATION NUMBER: US/09/372,934
CURRENT FILING DATE: 1999-08-12
EARLIER APPLICATION NUMBER: 60/074,636
EARLIER FILING DATE: 1998-02-13
EARLIER APPLICATION NUMBER: PCT/IB99/00130
EARLIER FILING DATE: 1999-01-25
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 1150
TYPE: DNA
ORGANISM: Streptomyces hygroscopicus
FEATURE:
NAME/KEY: CDS
LOCATION: (58)...(990)
US-09-372-934-3
Query Match 2.8%; Score 35.6; DB 4; Length 1150;
Best Local Similarity 57.0%; Pred. No. 0.49;
Matches 65; Conservative 0; Mismatches 49; Indels 0; Gaps 0;
QY 448 GCCAGCAAGTCAACCTCGTGAAGATCGGTCCAGCGCTCCAGCCGACGGGACACGGCG 507
Db 142 GCCGACACCGGTACCGCATCGAAGCGGTCCCGCGCCAGGGCGGTGGGACTCGGAG 201
QY 508 CTGGCTCGCTTATCTGCAGCGCTCTGCCACCGTCTGTCCTGCTGCTGCTCATC 561
Db 202 CGATCGCGGATGCTGCTATCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTC 255
RESULT 11
US-08-334-698-5
Sequence 5, Application US/08334698
Patent No. 5556753
GENERAL INFORMATION:
APPLICANT: Jonathan A. Bard et al.
TITLE OF INVENTION: DNA Encoding Human Alpha 1 Adrenergic
TITLE OF INVENTION: Receptors and Uses Thereof
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: COOPER & DUNHAM
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10112
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION DATA: US/08/334,698
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/952,798
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 376901
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 977-9550
TELEFAX: (212) 664-0525
TELEX: (212) 422523 COOP UI

INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1639 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
FEATURE:
NAME/KEY: CDS
LOCATION: 126..1523
OTHER INFORMATION:
US-08-334-698-5

Query Match 2.7%; Score 34.8; DB 1; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.1;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 474 CGCGTCCAGCGCTCCAGCCACGGGACACGGCGCTGGCTGGCTGATCTATTTAAGAGACAGTTTAT 533
DB 635 CGAGGACGAGACCATCTGCCAGATCAACGAGGAGCGGGCTAGTGTCTTCTCAGCGCT 694

QY 534 GGCCACCGTCTCTGGCCCTGCTCATCTCTGTGTCATCTATTTAAGAGACAGTTTAT 593
DB 695 GGGCTCTTCTACCTGCTCTGGCCATCATCTCTGTGTCATCTATTTAAGAGACAGTTTAT 754

QY 594 GGAGAGAAACCCAGCTGCTCTGCGGTC 623
DB 755 GGCCAGAGGAGAGCGGGCTCAAGTC 784

RESULT 12
US-08-228-932-5
Sequence 5, Application US/08228932
Patent No. 5578611
GENERAL INFORMATION:
APPLICANT: Charles Gluchowski, Carlos C. Forray, George Chiu,
APPLICANT: Theresa A. Brancheck, John M. Wetzel and Paul R. Hartig
TITLE OF INVENTION: USE OF ALPHA-1C SPECIFIC COMPOUNDS TO TREAT BENIGN
TITLE OF INVENTION: PROSTATIC HYPERPLASIA
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: COOPER & DUNHAM
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10112

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/228,932
FILING DATE: 13-APR-1994
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 41878-B/JPW/TEP
TELEPHONE: (212) 977-9550
TELEFAX: (212) 664-0525
TELEX: (212) 422523 COOP UI
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1639 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: N
ANTI-SENSE: N
FEATURE:
NAME/KEY: CDS
LOCATION: 126..1523
OTHER INFORMATION:
US-08-228-932-5

Query Match 2.7%; Score 34.8; DB 1; Length 1639;
Best Local Similarity 52.0%; Pred. No. 1.1;
Matches 78; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

QY 474 CGCGTCCAGCGCTCCAGCCACGGGACACGGCGCTGGCTGGCTGATCTATTTAAGAGACAGTTTAT 533
DB 635 CGAGGACGAGACCATCTGCCAGATCAACGAGGAGCGGGCTAGTGTCTTCTCAGCGCT 694

QY 534 GGCCACCGTCTCTGGCCCTGCTCATCTCTGTGTCATCTATTTAAGAGACAGTTTAT 593
DB 695 GGGCTCTTCTACCTGCTCTGGCCATCATCTCTGTGTCATCTATTTAAGAGACAGTTTAT 754

QY 594 GGAGAGAAACCCAGCTGCTCTGCGGTC 623
DB 755 GGCCAGAGGAGAGCGGGCTCAAGTC 784

RESULT 13
US-08-468-939-5
Sequence 5, Application US/08468939
Patent No. 5714381
GENERAL INFORMATION:
APPLICANT: Jonathan A. Bard et al.
TITLE OF INVENTION: DNA Encoding Human Alpha 1 Adrenergic
TITLE OF INVENTION: Receptors and Uses Thereof
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: COOPER & DUNHAM LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,939
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 41337-1B
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0526
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1639 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
FEATURE:
NAME/KEY: CDS
LOCATION: 126..1523
OTHER INFORMATION:
US-08-468-939-5

Query Match 2.7%; Score 34.8; DB 1; Length 1639;

Db	695	GGGCTCCTTCTACCTGCGCTCTGGGCATCATCCTGGTCACTACTGCGCGCTCTACGTGGT	754
Qy	594	GGAGAGAAACCCAGCTGGTCTCTGCGGTC	623
Db	755	GGCAGAGAGGGAGAGCCGGGGCTCAAGTC	784

RESULT 15
US-08-722-190-5
; Sequence 5, Application US/08722190
; Patent No. 5990128
; GENERAL INFORMATION:
; APPLICANT: Charles Gluchowski, Carlos C. Porray, George
; APPLICANT: Chiu, Theresa A. Branche, John M. Wetzel and Paul R. Hartig
; TITLE OF INVENTION: USE OF ALPHA-1C SPECIFIC COMPOUNDS TO
; TITLE OF INVENTION: TREAT BENIGN PROSTATIC HYPERPLASIA

TITLE OF INVENTION: 6
 NUMBER OF SEQUENCES: 6
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: COOPER & DUNHAM LLP
 STREET: 1185 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10036
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.24
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/722,190
 FILING DATE: 4-APR-1995
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: White, John P.
 REGISTRATION NUMBER: 28,678
 REFERENCE/DOCKET NUMBER: 41878-D-PCT/JPW/AGL
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 278-0400
 TELEFAX: (212) 391-0525
 TELEX:
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1639 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: unknown
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: N
 ANTI-SENSE: N
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 126..1523
 OTHER INFORMATION:
 US-08-722-190-5

635	Db	CGAGGACGAGAGACCATCTGCCAGATCAACGAGGAGCCGGGCTACGTGCTCTTCTTCGACGCCT	5933
534	Qy	GGCCACCGTCTGCTGGCCCCCTCATCTCTGTGTCATCTATTGTTAAGAGACAGATTAT	5934
695	Db	GGGCTCTTCTACCTTGCTCTGGCCATCATCTGGTCATGTACTCGCGCTCTACGTGGT	754
594	Qy	GGAGAGAAACCCAGCTGGTCTCTGCGGTC	623
755	Db	GGCCAGAGGGGAGAGCCGGGGCTCAAGTC	784

Search completed: June 22, 2003, 21:32:48
Job time : 69.0096 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 22, 2003, 21:17:37 ; Search time 190.128 Seconds

(without alignments)
9794.263 Million cell updates/sec

Title: US-09-380-276A-5

Perfect score: 1269

Sequence: 1 atggctttaaagtgtact.....ggcagcgactgggtccctg 1269

Scoring table:

IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1042519 seqs, 733713590 residues

Total number of hits satisfying chosen parameters: 2085038

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/2/pubpna/PT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/2/pubpna/PTUS_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1267.4	99.9	1325	10	US-09-780-532-3
2	1267.4	99.9	1502	9	US-10-114-893-120
3	1243.2	98.0	1660	10	US-09-780-532-1
4	1240	97.7	2870	9	US-10-174-590-473
5	1240	97.7	2870	9	US-10-176-758-473
6	1240	97.7	2870	9	US-10-175-737-473
7	1240	97.7	2870	9	US-10-173-706-473
8	1240	97.7	2870	9	US-10-175-738-473
9	1240	97.7	2870	9	US-10-175-752-473
10	1240	97.7	2870	9	US-10-176-482-473
11	1240	97.7	2870	9	US-10-176-757-473
12	1240	97.7	2870	9	US-10-176-913-473
13	1240	97.7	2870	9	US-10-180-552-473
14	1240	97.7	2870	9	US-10-180-557-473
15	1240	97.7	2870	9	US-10-173-700-473
16	1240	97.7	2870	9	US-10-174-572-473
17	1240	97.7	2870	9	US-10-174-579-473
18	1240	97.7	2870	9	US-10-174-582-473
19	1240	97.7	2870	9	US-10-174-588-473

20	1240	97.7	2870	9	US-10-175-739-473	Sequence 473, App
21	1240	97.7	2870	9	US-10-175-740-473	Sequence 473, App
22	1240	97.7	2870	9	US-10-175-743-473	Sequence 473, App
23	1240	97.7	2870	9	US-10-176-488-473	Sequence 473, App
24	1240	97.7	2870	9	US-10-176-492-473	Sequence 473, App
25	1240	97.7	2870	9	US-10-176-747-473	Sequence 473, App
26	1240	97.7	2870	9	US-10-176-750-473	Sequence 473, App
27	1240	97.7	2870	9	US-10-176-985-473	Sequence 473, App
28	1240	97.7	2870	9	US-10-176-987-473	Sequence 473, App
29	1240	97.7	2870	9	US-10-176-991-473	Sequence 473, App
30	1240	97.7	2870	9	US-10-176-992-473	Sequence 473, App
31	1240	97.7	2870	9	US-10-176-993-473	Sequence 473, App
32	1240	97.7	2870	9	US-10-184-658-473	Sequence 473, App
33	1240	97.7	2870	9	US-10-227-884-219	Sequence 219, App
34	1240	97.7	2870	9	US-10-173-695-473	Sequence 473, App
35	1240	97.7	2870	9	US-10-173-697-473	Sequence 473, App
36	1240	97.7	2870	9	US-10-173-705-473	Sequence 473, App
37	1240	97.7	2870	9	US-10-174-576-473	Sequence 473, App
38	1240	97.7	2870	9	US-10-174-585-473	Sequence 473, App
39	1240	97.7	2870	9	US-10-174-586-473	Sequence 473, App
40	1240	97.7	2870	9	US-10-175-747-473	Sequence 473, App
41	1240	97.7	2870	9	US-10-176-481-473	Sequence 473, App
42	1240	97.7	2870	9	US-10-176-485-473	Sequence 473, App
43	1240	97.7	2870	9	US-10-176-487-473	Sequence 473, App
44	1240	97.7	2870	9	US-10-176-493-473	Sequence 473, App
45	1240	97.7	2870	9	US-10-176-756-473	Sequence 473, App

ALIGNMENTS

RESULT 1
US-09-780-532-3
; Sequence 3, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1325
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1269)
US-09-780-532-3

Query Match	99.9%	Score 1267.4;	DB 10;	Length 1325;
Best Local Similarity	99.9%;	Pred. No. 0;		
Matches 1268;	Conservative 0;	Mismatches 1;	Indels 0;	Gaps 0;
QY	1	ATGGCTTTAAAGTGTACTAGAACAGAGAAAGCTTTTTCACCTCTTTTACTATTACTA	60	
Db	1	ATGGCTTTAAAGTGTACTAGAACAGAGAAAGCTTTTTCACCTCTTTTACTATTACTA	60	
QY	61	GGCTATTGTGATGTAAAGTGTGAAACAGAGAGCTGTGAAACAGAGAAATTCAGG	120	
Db	61	GGCTATTGTGATGTAAAGTGTGAAACAGAGAGCTGTGAAACAGAGAAATTCAGG	120	
QY	121	GATCGGTCTGAAAGTGTGTTCCCTGCAACAGAGTGTGGCCAGGATGAGTTGCTTAAG	180	
Db	121	GATCGGTCTGAAAGTGTGTTCCCTGCAACAGAGTGTGGCCAGGATGAGTTGCTTAAG	180	

181 GAATGTGGCTTCGGCTATCGGAGGATGACAGTGTGTGACGTGCGCGGTGACAGAGTTTC 240
Db |||||
181 GAATGTGGCTTCGGCTATCGGAGGATGACAGTGTGTGACGTGCGCGGTGACAGAGTTTC 240
Qy |||||
241 AAGGAGGACTGGGCTTCAGAAATGCAAGCCCTGTCTGGACTGCGCAGTGTGAACCGC 300
Db |||||
241 AAGGAGGACTGGGCTTCAGAAATGCAAGCCCTGTCTGGACTGCGCAGTGTGAACCGC 300
Qy |||||
301 TTTTCAAGGCAAAATGTTTCAGCCACCACTGATGCTGCGGGGACTGCTTGGCCAGGA 360
Db |||||
301 TTTTCAAGGCAAAATGTTTCAGCCACCACTGATGCTGCGGGGACTGCTTGGCCAGGA 360
Qy |||||
361 TTTTATAGAAACGAAACTTGTGCGCTTTCAAGACATGAGTGTGTGCTTGTGGAGAC 420
Db |||||
361 TTTTATAGAAACGAAACTTGTGCGCTTTCAAGACATGAGTGTGTGCTTGTGGAGAC 420
Qy |||||
421 CCTCTCTCCTTACGAACCGCACTGTGCGCAGCAAGGTCAACTCGTGAAGATCGGCTCC 480
Db |||||
421 CCTCTCTCCTTACGAACCGCACTGTGCGCAGCAAGGTCAACTCGTGAAGATCGGCTCC 480
Qy |||||
481 ACGGCTCCAGCCACCGGACACGGGCTGGCTGCGTTATCTGACGCGCTCTGGCCACC 540
Db |||||
481 ACGGCTCCAGCCACCGGACACGGGCTGGCTGCGTTATCTGACGCGCTCTGGCCACC 540
Qy |||||
541 GTCTGCTGGCCCTGCTCATCTCTGTGTCACTATTGTAAAGACAGTGTATGGAGAAG 600
Db |||||
541 GTCTGCTGGCCCTGCTCATCTCTGTGTCACTATTGTAAAGACAGTGTATGGAGAAG 600
Qy |||||
601 AAACCCAGTGTCTCTGGGTCAAGGACATTCAGTCAACGGCTCAGCTGCTGCTGT 660
Db |||||
601 AAACCCAGTGTCTCTGGGTCAAGGACATTCAGTCAACGGCTCAGCTGCTGCTGT 660
Qy |||||
661 CTTGACAGACCTCAGCTCACGAATATGCCACAGAGCCTGTGCCAGTGCCTGCTGAC 720
Db |||||
661 CTTGACAGACCTCAGCTCACGAATATGCCACAGAGCCTGTGCCAGTGCCTGCTGAC 720
Qy |||||
721 TCAGTGCAGACCTGCGGCGCGTGTGCTGCCATTCATGTGCTGTGAGGAGGCTGC 780
Db |||||
721 TCAGTGCAGACCTGCGGCGCGTGTGCTGCCATTCATGTGCTGTGAGGAGGCTGC 780
Qy |||||
781 AGCCCCAAACCGGCGACTCTTGGTGTGGGTGCAATTCGACGCGAGTCTTCAGGCAAGA 840
Db |||||
781 AGCCCCAAACCGGCGACTCTTGGTGTGGGTGCAATTCGACGCGAGTCTTCAGGCAAGA 840
Qy |||||
841 AACGCAAGCCAGCCGCGGAGATGTTGCGGACTTTCTTGGATCCCTCAGCAGTCCATC 900
Db |||||
841 AACGCAAGCCAGCCGCGGAGATGTTGCGGACTTTCTTGGATCCCTCAGCAGTCCATC 900
Qy |||||
901 TGTGGCGAGTTTTCAGATGCTGGCTCTGATGCAAGATCCCAATGGGTGTGCAACATC 960
Db |||||
901 TGTGGCGAGTTTTCAGATGCTGGCTCTGATGCAAGATCCCAATGGGTGTGCAACATC 960
Qy |||||
961 TCTTTTGTGACTCTTATCTGAACTCACTGGGAGAGACATTCATCTCTCAATCCAGAA 1020
Db |||||
961 TCTTTTGTGACTCTTATCTGAACTCACTGGGAGAGACATTCATCTCTCAATCCAGAA 1020
Qy |||||
1021 CTTGAAAGCTCAACGCTCTTGGATTCAATAGCAGTCAAGATTTGGTGGGGCTGTT 1080
Db |||||
1021 CTTGAAAGCTCAACGCTCTTGGATTCAATAGCAGTCAAGATTTGGTGGGGCTGTT 1080
Qy |||||
1081 CCAGTCCAGTCTCATTTCTGAAAACCTTTACAGCAGTACTGATTTATCTAGATATAAAC 1140
Db |||||
1081 CCAGTCCAGTCTCATTTCTGAAAACCTTTACAGCAGTACTGATTTATCTAGATATAAAC 1140
Qy |||||
1141 ACACTGGTAGAATCAGATCAACTCAGGATGCACTAATATGAGAGCCAGCTAGATCAG 1200
Db |||||
1141 ACACTGGTAGAATCAGATCAACTCAGGATGCACTAATATGAGAGCCAGCTAGATCAG 1200
Qy |||||
1201 GAGAGTGGGCTATCATCCACCCAGCCACTCAGACGTCCTCCAGGTAAAGGACGCACTG 1260
Db |||||
1201 GAGAGTGGGCTATCATCCACCCAGCCACTCAGACGTCCTCCAGGTAAAGGACGCACTG 1260

Qy 1261 GGTTCCCTG 1269
Db 1261 GGTTCCCTG 1269
RESULT 2
US-10-114-893-120
; Sequence 120, Application US/10114893
; Publication No. US20020193567A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: LaVallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Bowman, Michael R.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Carlin-Duckett, McKeough
; APPLICANT: Kelleher, Kerry S.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6000-10A
; CURRENT APPLICATION NUMBER: US/10/114,893
; CURRENT FILING DATE: 2002-04-02
; EARLIER APPLICATION NUMBER: 09/413,232
; EARLIER FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 321
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 120
; LENGTH: 1502
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-114-893-120
Query Match 99.9%; Score 1267.4; DB 9; Length 1502;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1268; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 ATGGCTTTTAAAGTGTCTACTAGAAACAGAGAAACGTTTTTTCACCTCTTTTAGTATTACTA 60
Db 51 ATGGCTTTTAAAGTGTCTACTAGAAACAGAGAAACGTTTTTTCACCTCTTTTAGTATTACTA 110
Qy 61 GCCTATTTGTCAATGATAAGTGTCTGTGAAACAGGAGACTGTAGACAGCAAGATTCAGG 120
Db 111 GCCTATTTGTCAATGATAAGTGTCTGTGAAACAGGAGACTGTAGACAGCAAGATTCAGG 170
Qy 121 GATCGTCTGGAACACTGTCTCCCTGCAACAGTGTGGGCCAGGATGGAGTTGTCTAAG 180
Db 171 GATCGTCTGGAACACTGTCTCCCTGCAACAGTGTGGGCCAGGATGGAGTTGTCTAAG 230
Qy 181 GAATGTGGCTTCGGCTATGCGGAGGATGACAGTGTGTGACGCTGCGGCTGCACAGGTTTC 240
Db 231 GAATGTGGCTTCGGCTATGCGGAGGATGACAGTGTGTGACGCTGCGGCTGCACAGGTTTC 290
Qy 241 AAGGAGGACTGGGCTTCAGAAATGCAAGCCCTGTCTGGAACCTGCGCAGTGTGTGAACCGC 300
Db 291 AAGGAGGACTGGGCTTCAGAAATGCAAGCCCTGTCTGGAACCTGCGCAGTGTGTGAACCGC 350
Qy 301 TTTTCAAGGCAAAATGTTTCAGCCACCACTGATGCTGCGGGGACTGCTTGGCCAGGA 360
Db 351 TTTTCAAGGCAAAATGTTTCAGCCACCACTGATGCTGCGGGGACTGCTTGGCCAGGA 410
Qy 361 TTTTATAGAAACGAAACTTGTGCGCTTTCAAGACATGAGTGTGTGCTTGTGGAGAC 420
Db 411 TTTTATAGAAACGAAACTTGTGCGCTTTCAAGACATGAGTGTGTGCTTGTGGAGAC 470
Qy 421 CTTCTCTCTCTTACGAACCGCACTGTGCGCAGCAAGGTCAACTCGTGAAGATCGGCTCC 480
Db 471 CTTCTCTCTCTTACGAACCGCACTGTGCGCAGCAAGGTCAACTCGTGAAGATCGGCTCC 530
Qy 481 ACGGCTCTCAGCCACCGGACACGGGCTGGCTGCGTTATCTGACGCGCTCTGGCCACC 540

QY 901 TGTGGGAGTTTTCAGATGCTTGGCTCTGATGACAGAAATCCCATGGGTGGTGAACAATC 960
DB 901 TGTGGGAGTTTTCAGATGCTTGGCTCTGATGACAGAAATCCCATGGGTGGTGAACAATC 960
QY 961 TCTTTTGTGACCTTATCTGAACTTCACTGGAGAGACATTCATTCTCTCAATCCAGAA 1020
DB 961 TCTTTTGTGACCTTATCTGAACTTCACTGGAGAGACATTCATTCTCTCAATCCAGAA 1020
QY 1021 CTTGAAAGCTCAAGCTCTTTGGATTCAATAGCAGTCAAGATTGGTTGGTGGGCTGTT 1080
DB 1021 CTTGAAAGCTCAAGCTCTTTGGATTCAATAGCAGTCAAGATTGGTTGGTGGGCTGTT 1080
QY 1081 CCACTGACGCTCAATCTGAAACTTTACAGCAGCTACTGATTATCTAGATATAACAAC 1140
DB 1081 CCACTGACGCTCAATCTGAAACTTTACAGCAGCTACTGATTATCTAGATATAACAAC 1140
QY 1141 ACAGTGTAGATCAGCATCAACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG 1200
DB 1141 ACAGTGTAGATCAGCATCAACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG 1200
QY 1201 GAGAGTGGCGCTATCATCCACCAGCCACTCAGACGCTCCCTCCAGGTA 1248
DB 1201 GAGAGTGGCGCTATCATCCACCAGCCACTCAGACGCTCCCTCCAGGTA 1248

RESULT 4

US-10-174-590-473
; Sequence 473, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: F3430R1C42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-174-590-473

Query Match 97.7%; Score 1240; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1 ATGCTTTTAAAGTGCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 60
DB 185 ATGCTTTTAAAGTGCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 244
QY 61 GGCTATTGTGCTAAAGTGCTTTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGG 120
DB 245 GGCTATTGTGCTAAAGTGCTTTGTGAAATCAGGAGACTGTAGACAGCAAGAAATTCAGG 304
QY 121 GATCGGTCTGGAACCTGTGTTCCCTGCAACAGTGTGGCCAGGATGAGATTGTCTAAG 180
DB 305 GATCGGTCTGGAACCTGTGTTCCCTGCAACAGTGTGGCCAGGATGAGATTGTCTAAG 364
QY 181 GAATGTGGCTTCGGCTATGGGAGGATGACAGTGTGTGACGTGGCGCTGACACAGTTTC 240

DB 365 GAATGTGGCTTCGGCTATGGGAGGAGATGACAGTGTGTGACGTGCCGGTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTCTCTGCGACTGCGCAGTGTGTGAACCGC 300
DB 425 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTCTCTGCGACTGCGCAGTGTGTGAACCGC 484
QY 301 TTTTCAAGAGGCAAAATTTGTTTCAGCCACAGTGTGATGATCCATCTGCGGGGACTGCTTGCAGGA 360
DB 485 TTTTCAAGAGGCAAAATTTGTTTCAGCCACAGTGTGATGATCCATCTGCGGGGACTGCTTGCAGGA 544
QY 361 TTTTATAGAGAGACCAAACTTGTGCGCTTTCAAGACATCGAGTGTGCTTGTGGAGAC 420
DB 545 TTTTATAGAGAGACCAAACTTGTGCGCTTTCAAGACATCGAGTGTGCTTGTGGAGAC 604
QY 421 CTTCTCTCTCTTACGAAACCGCACTGTGCGAGCAAGGTCAACCTCGTGAAGATCCGCTCC 480
DB 605 CTTCTCTCTCTTACGAAACCGCACTGTGCGAGCAAGGTCAACCTCGTGAAGATCCGCTCC 664
QY 481 ACGGCTCTCAGCCACAGGACACGCGCTGGTGGCTGCTTATCTGAGCGCTCTGGCCACC 540
DB 665 ACGGCTCTCAGCCACAGGACACGCGCTGGTGGCTGCTTATCTGAGCGCTCTGGCCACC 724
QY 541 GTCTCTGCGCCCTGCTCATCTCTGCTGCTATCTATGTAAGAGACAGTTTATGAGAGAG 600
DB 725 GTCTCTGCGCCCTGCTCATCTCTGCTGCTATCTGTAAGAGACAGTTTATGAGAGAG 784
QY 601 AAACCCAGCTGGTCTCTGCGGTCAAGACATTCAGTACAAACGGCTCTGAGCTGCTGTGT 660
DB 785 AAACCCAGCTGGTCTCTGCGGTCAAGACATTCAGTACAAACGGCTCTGAGCTGCTGTGT 844
QY 661 CTTGACAGACCTCAGCTCAAGATATGCCACAGAGCTGTGCGAGTGGCGCGCTGAC 720
DB 845 TTTGACAGACCTCAGCTCAAGATATGCCACAGAGCTGTGCGAGTGGCGCGCTGAC 904
QY 721 TCAGTGTGACAGCTGCGGCGCGCTGCTCCATCCATGCTGTGAGGAGGCGCTGTC 780
DB 905 TCAGTGTGACAGCTGCGGCGCGCTGCTCCATCCATGCTGTGAGGAGGCGCTGTC 964
QY 781 AGCCCCAAACCCGCGCACTCTTGGTTGTGGGGTGCAATTCGACAGCCAGTCTTTCAGGCAAGA 840
DB 965 AGCCCCAAACCCGCGCACTCTTGGTTGTGGGGTGCAATTCGACAGCCAGTCTTTCAGGCAAGA 1024
QY 841 AACGAGGCGCCAGCGCGGAGATGCTGCGGACTTCTTCGGATCCCTCAGCAGTCCATC 900
DB 1025 AACGAGGCGCCAGCGCGGAGATGCTGCGGACTTCTTCGGATCCCTCAGCAGTCCATC 1084
QY 901 TGTGCGAGTTTTCAGATGCGCTCTGATGACAGAAATCCCATGGGTGGTGAACAATC 960
DB 1085 TGTGCGAGTTTTCAGATGCGCTCTGATGACAGAAATCCCATGGGTGGTGAACAATC 1144
QY 961 TCTTTTGTGACTCTTATCTGAACTTTCAGCAGCTACTGATTTATCTAGATATAACAAC 1020
DB 1145 TCTTTTGTGACTCTTATCTGAACTTTCAGCAGCTACTGATTTATCTAGATATAACAAC 1204
QY 1021 CTTGAAAGCTCAAGCTCTTTGGATTCAATAGCAGTCAAGATTGGTTGGTGGGCTGTT 1080
DB 1205 CTTGAAAGCTCAAGCTCTTTGGATTCAATAGCAGTCAAGATTGGTTGGTGGGCTGTT 1264
QY 1081 CCAAGTCCAGTCTCATTCTGAAACCTTTACAGCAGCTACTGATTTATCTAGATATAACAAC 1140
DB 1265 CCAAGTCCAGTCTCATTCTGAAACCTTTACAGCAGCTACTGATTTATCTAGATATAACAAC 1324
QY 1141 ACAGTGTGAGATCAGCATCAACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG 1200
DB 1325 ACAGTGTGAGATCAGCATCAACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG 1384
QY 1201 GAGAGTGGCGCTATCATCCACCAGCCACTCAGACGCTCCCTCCAGGTA 1248
DB 1385 GAGAGTGGCGCTATCATCCACCAGCCACTCAGACGCTCCCTCCAGGTA 1432

RESULT 5

US-10-176-758-473


```
; Sequence 473, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-758-473

Query Match          97.7%; Score 1240; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 60
DB 185 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 244
QY 61 GCGTATTTCATGTAAGTACTTGTGAAACAGAGACTGTAGACAGCAAGAAATTCAGG 120
DB 245 GCGTATTTCATGTAAGTACTTGTGAAACAGAGACTGTAGACAGCAAGAAATTCAGG 304
QY 121 GATCGGTCTGAAACGTGTTCCTGCAACAGTGTGGCCAGGCAATGGAGTTGCTTAAG 180
DB 305 GATCGGTCTGAAACGTGTTCCTGCAACAGTGTGGCCAGGCAATGGAGTTGCTTAAG 364
QY 181 GAATGTGGCTTCGGCTATGGGAGGATGCACAGTGTGTGACGTGCCGGCTGCACAGGTTTC 240
DB 365 GAATGTGGCTTCGGCTATGGGAGGATGCACAGTGTGTGACGTGCCGGCTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCCAGAAATCCAGAAATCCAGAAATCCAGAAATCCAGAAATCCAG 300
DB 425 AAGGAGGACTGGGGCTTCCAGAAATCCAGAAATCCAGAAATCCAGAAATCCAGAAATCCAG 484
QY 301 TTTCAGAGGCAATTTGTTTCAGCCACAGTGTGATGCCATCTGCGGGGACTGTTGCCAGGA 360
DB 485 TTTCAGAGGCAATTTGTTTCAGCCACAGTGTGATGCCATCTGCGGGGACTGTTGCCAGGA 544
QY 361 TTTTATAGGAAGACGAAACTGTGCGCTTTTCAAGACATGGAGTGTGTGCTTTGTGGAGAC 420
DB 545 TTTTATAGGAAGACGAAACTGTGCGCTTTTCAAGACATGGAGTGTGTGCTTTGTGGAGAC 604
QY 421 CCTCCTCCTCTTACGAACGGCACTGTGCGAGCAAGTCAACTCTGTGAAGATCGGCTCC 480
DB 605 CCTCCTCCTCTTACGAACGGCACTGTGCGAGCAAGTCAACTCTGTGAAGATCGGCTCC 664
QY 481 ACGGCTCCAGCCCGGAGACGGCGCTGGCTGCGTTATCTGACAGCGCTCTGGCCACC 540
DB 665 ACGGCTCCAGCCCGGAGACGGCGCTGGCTGCGTTATCTGACAGCGCTCTGGCCACC 724
QY 541 GTCCTGTGCGCCCTGCTCATCTCTGTGTATCTATTGTAAAGACAGAGTTTATGGAGAAG 600
DB 725 GTCCTGTGCGCCCTGCTCATCTCTGTGTATCTATTGTAAAGACAGAGTTTATGGAGAAG 784
QY 601 AAACCCAGCTGTCTCTGGGTGACAGGACATTCAGTACAAACGCGCTCTGAGCTGTGCTGT 660
DB 785 AAACCCAGCTGTCTCTGGGTGACAGGACATTCAGTACAAACGCGCTCTGAGCTGTGCTGT 844
QY 661 CTTGACAGACCTCAGCTCCAGAAATATGCCACAGAGCTGTGCTGACAGTCCGCCGCTGAC 720
DB 845 TTTGACAGACCTCAGCTCCAGAAATATGCCACAGAGCTGTGCTGACAGTCCGCCGCTGAC 904
QY 721 TCAGTGCAGACCTGCGGGCGGTGGCTTGTGCTCCCATCATGTGTGTGAGAGGCGCTGC 780
DB 905 TCAGTGCAGACCTGCGGGCGGTGGCTTGTGCTCCCATCATGTGTGTGAGAGGCGCTGC 964
QY 781 AGCCCAACCCCGGCGACTCTTGGTGTGGGGTGCATCTGCGAGCAGTCTTCAGGCAAGA 840
DB 965 AGCCCAACCCCGGCGACTCTTGGTGTGGGGTGCATCTGCGAGCAGTCTTCAGGCAAGA 1024
QY 841 AACGAGGCGCCAGCGCGGAGATGGTGCAGCTTTCTTCGATCCCTCAACGAGTCCATC 900
DB 1025 AACGAGGCGCCAGCGCGGAGATGGTGCAGCTTTCTTCGATCCCTCAACGAGTCCATC 1084
QY 901 TGTGGCGAGTTTTCAGATGCTGCGCTCTGATGCGAAGATCCCATGGGTGGTGACAAATC 960
DB 1085 TGTGGCGAGTTTTCAGATGCTGCGCTCTGATGCGAAGATCCCATGGGTGGTGACAAATC 1144
QY 961 TCTTTTGTGACTCTTATCTGAACTCACTGGAGAGACATTCATCTCTCAATCCAGAA 1020
DB 1145 TCTTTTGTGACTCTTATCTGAACTCACTGGAGAGACATTCATCTCTCAATCCAGAA 1204
QY 1021 CTTGAAAGCTCAACGCTCTTGGATTCAAATAGCAGTCAAGATTTTGGTGGGCTGTT 1080
DB 1205 CTTGAAAGCTCAACGCTCTTGGATTCAAATAGCAGTCAAGATTTTGGTGGGCTGTT 1264
QY 1081 CCACTGCTGCTCTTCTGAACTTTTACAGCAGCTACTGTATTTATCTAGATATAACAAAC 1140
DB 1265 CCACTGCTGCTCTTCTGAACTTTTACAGCAGCTACTGTATTTATCTAGATATAACAAAC 1324
QY 1141 ACAGTGTAGATCAGCATCACTCAGTGCAGTAACTATGAGAGCCAGTATGATCAG 1200
DB 1325 ACAGTGTAGATCAGCATCACTCAGTGCAGTAACTATGAGAGCCAGTATGATCAG 1384
QY 1201 GAGAGTGGCGCTTATCATCCAGCCAGCTCAGAGCTCCCTCCAGGTA 1248
DB 1385 GAGAGTGGCGCTTATCATCCAGCCAGCTCAGAGCTCCCTCCAGGTA 1432

RESULT 6
US-10-175-737-473
; Sequence 473, Application US/10175737
; Publication No. US20030013153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C50
; CURRENT APPLICATION NUMBER: US/10/175,737
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-737-473

Query Match          97.7%; Score 1240; DB 9; Length 2870;
```

Best Local Similarity 99.6%; Pred. No. 0;			
Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;			
QY	1	ATGGCTTTAAAGTGCTACTAGAACAGAGAAAAGTTTTTCACTCTTTTAGTATTACTA	60
DB	185	ATGGCTTTAAAGTGCTACTAGAACAGAGAAAAGTTTTTCACTCTTTTAGTATTACTA	244
QY	61	GGCTATTGTGTCATGTAAGTGACTGTGTGAACAGGAGACTGTAGACAGCAAGAATTCCAGG	120
DB	245	GGCTATTGTGTCATGTAAGTGACTGTGTGAATCAGGAGACTGTAGACAGCAAGAATTCCAGG	304
QY	121	GATCGGTCTGGAACACTGTGTTCCTTGCAACACAGTGTGGCCAGGCATGGAAGTGTCTAAG	180
DB	305	GATCGGTCTGGAACACTGTGTTCCTTGCAACACAGTGTGGCCAGGCATGGAAGTGTCTAAG	364
QY	181	GAATGTGGCTTCGGCTATGCGGAGGATGACAGTGTGTGACGTGCCGGCTGCACAGGTTC	240
DB	365	GAATGTGGCTTCGGCTATGCGGAGGATGACAGTGTGTGACGTGCCGGCTGCACAGGTTC	424
QY	241	AAGGAGGACTGGGGCTTTCAGAAATGCAAGCCCTGCTGGACTGCGCAGTGGTGAACCGC	300
DB	425	AAGGAGGACTGGGGCTTTCAGAAATGCAAGCCCTGCTGGACTGCGCAGTGGTGAACCGC	484
QY	301	TTTCAGAAAGCAAAATGTTTCAGCCACAGTGTATGCCATCTGCGGGGACTGCTTGCACGGA	360
DB	485	TTTCAGAAAGCAAAATGTTTCAGCCACAGTGTATGCCATCTGCGGGGACTGCTTGCACGGA	544
QY	361	TTTTTATAGGAAGACGAAACTTGTGCGCTTTTCAGACATGCAGTGTGCGCTTGTGGAGAC	420
DB	545	TTTTTATAGGAAGACGAAACTTGTGCGCTTTTCAGACATGCAGTGTGCGCTTGTGGAGAC	604
QY	421	CTCTCCTCCTTACGAAACCGCACTGTGCAGCAAGGTCAACCTCGTGAAGATCGCGTCC	480
DB	605	CTCTCCTCCTTACGAAACCGCACTGTGCAGCAAGGTCAACCTCGTGAAGATCGCGTCC	664
QY	481	ACGGCTCTCAGCCCAACGGGACAACGGCGCTGGCTGCCGTTATCTGCAGCGCTCTGGCCACC	540
DB	665	ACGGCTCTCAGCCCAACGGGACAACGGCGCTGGCTGCCGTTATCTGCAGCGCTCTGGCCACC	724
QY	541	GTCCCTGTGGCCCTGCTCATCTCTGTGTGCATCTATTGTAAGAGACAGTTTATGGAGAAG	600
DB	725	GTCCCTGTGGCCCTGCTCATCTCTGTGTGCATCTATTGTAAGAGACAGTTTATGGAGAAG	784
QY	601	AAACCCAGCTGGTCTCTGCGGTACAGGACATTCAGTACAAACGGCTCTGAGCTGTCTGTGT	660
DB	785	AAACCCAGCTGGTCTCTGCGGTACAGGACATTCAGTACAAACGGCTCTGAGCTGTCTGTGT	844
QY	661	CTTTGACAGACCTCAGCTTCCAGAAATATGCCACAGAGCCCTGCTGCCAGTGCCTGGCTGAC	720
DB	845	CTTTGACAGACCTCAGCTTCCAGAAATATGCCACAGAGCCCTGCTGCCAGTGCCTGGCTGAC	904
QY	721	TCAGTGCAGACCTCGCGGCCGCTTGTCTCCATCCATGTGCTGTGAGGAGGCGCTGC	780
DB	905	TCAGTGCAGACCTCGCGGCCGCTTGTCTCCATCCATGTGCTGTGAGGAGGCGCTGC	964
QY	781	AGCCCCAACCCGGCGACTCTTTGGTTGTGGGTGCAATCTGCGAGCCAGCTTTCAGGCAAGA	840
DB	965	AGCCCCAACCCGGCGACTCTTTGGTTGTGGGTGCAATCTGCGAGCCAGCTTTCAGGCAAGA	1024
QY	841	AACCGAGGCCACCGCGGGAGATGGTGCCGACTTTTTCGGATCCCTTCACGCAAGTCCATC	900
DB	1025	AACCGAGGCCACCGCGGGAGATGGTGCCGACTTTTTCGGATCCCTTCACGCAAGTCCATC	1084
QY	901	TGTTGGCGAGTTTTTCAGATGCTGGCCTCTGATGCAGAAATCCCATGGGTGGTGACAAATC	960
DB	1085	TGTTGGCGAGTTTTTCAGATGCTGGCCTCTGATGCAGAAATCCCATGGGTGGTGACAAATC	1144
QY	961	TCCTTTTGTGACTCTTATCTCTGAACCTCACTGGGAAGACATTCATCTCTCAATCCAGAA	1020
DB	1145	TCCTTTTGTGACTCTTATCTCTGAACCTCACTGGGAAGACATTCATCTCTCAATCCAGAA	1204
QY	1021	CTTTGAAAGCTCAACGCTCTTTGGATTCAAAATAGCAGTCAAGATTTGGTTGGTGGCGCTGTT	1080

RESULT. T. 7

RESULT /
US-10-173-706-473 .

US-10-173-706-473
: Sequence 473. Application us/101733706

US 20030022293A1

; PUBLICATION NO. US20
; GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Chen, Jian

APPLICANT: Desnoyers, Luc

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Pan, James

APPLICANT: Smith, Victoria

APPLICANT: Watanabe, Colin K.

APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

; TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: D242081C7

FILE REFERENCE: P3430R1C7

```

; CURRENT APPLICATION NUMBER: US/10/173,706
: CURRENT FILING DATE: 2002-06-17

```

; CURRENT FILING DATE: 2002-06-17
: Prior Application removed - See

;; Prior Application removed - See File Wrapper or Palm
: NUMBER OF SEQ ID NOS: 612

```

; NUMBER OF SEQ ID NOS: 612
: SEQ ID NO 473

```

```

; SEQ ID NO 473
;
; LENGTH: 2870

```

```

; LENGTH: 2870
; TYPE: DNA

```

; LIFE: DNA
; ORGANISM: Homo

US-10-173-706-473

2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841

545 TTTTATAGAGACGAAACTTCTGGCTTTCAGACATGGAGTGTGCTTGTGGAGAC 604
421 CCTCTCTCTCTTACGAAACCGCACTGTGCGCAAGGTCACCTCGTGAAGATCGCGTCC 480
605 CCTCTCTCTCTTACGAAACCGCACTGTGCGCAAGGTCACCTCGTGAAGATCGCGTCC 664
481 ACGGCTCCAGCCACGCGGACACGCGCTGCTGCGTGTATCTGAGGCGCTCTGCGCAC 540
665 ACGGCTCCAGCCACGCGGACACGCGCTGCTGCGTGTATCTGAGGCGCTCTGCGCAC 724
541 GTCTCTGCGGCTCTGCTATCTCTGCTGTATCTGCTGTATCTGCTGTATCTGCTGTAT 600
725 GTCTCTGCGGCTCTGCTATCTCTGCTGTATCTGCTGTATCTGCTGTATCTGCTGTAT 784
601 AAACCCAGCTGTCTCTGCGGTTCAGAGCACTTCAAGTCAACCGCTCTGAGCTGTCTGT 660
785 AAACCCAGCTGTCTCTGCGGTTCAGAGCACTTCAAGTCAACCGCTCTGAGCTGTCTGT 844
661 TTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGTGCGGCGCGCTGAC 720
845 TTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGTGCGGCGCGCTGAC 904
721 TCAGTGCAGACCTGCGGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 780
905 TCAGTGCAGACCTGCGGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 964
781 AGCCCCAACCCGCGGAGTGTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
965 AGCCCCAACCCGCGGAGTGTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1024
841 AAGCAGGCGCGGCGGAGTGTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
1025 AAGCAGGCGCGGCGGAGTGTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1084
901 TGTGGGAGTTTTCAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
1085 TGTGGGAGTTTTCAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1144
961 TCTTTTGTGACTCTTATCTGAACTCACTGAGAGAGCACTTCTCTCAATCCAGAA 1020
1145 TCTTTTGTGACTCTTATCTGAACTCACTGAGAGAGCACTTCTCTCAATCCAGAA 1204
1021 CTTGAAAGCTCAAGCTCTTGGATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1080
1205 CTTGAAAGCTCAAGCTCTTGGATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTT 1264
1081 CCAGTCCAGTCTCATTTCTGAAAACCTTACAGCAGCTACTGATTTATCTAGATATAACAC 1140
1265 CCAGTCCAGTCTCATTTCTGAAAACCTTACAGCAGCTACTGATTTATCTAGATATAACAC 1324
1141 AACTGTGTAGATCAGCACTCACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG 1200
1325 AACTGTGTAGATCAGCACTCACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG 1384
1201 GAGAGTGGGCTATCATCCACCCAGCAGCTCAGAGCTGCTCCCTCAGGTA 1248
1385 GAGAGTGGGCTATCATCCACCCAGCAGCTCAGAGCTGCTCCCTCAGGTA 1432

RESULT 8

US-10-175-738-473
; Sequence 473, Application US/10175738
; Publication No. US2003002294A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C45
; CURRENT APPLICATION NUMBER: US/10/175,738
; PRIOR APPLICATION DATE: 2002-06-19
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-738-473

Query Match 97.7%; Score 1240; DB 9; Length 2870;

Best Local Similarity 99.6%; Pred. No. 0;
Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATGCTTTTAAAGTGCTACTAGAAACAGAGAAAAAGTTTTTCTCTTTTAGTATTACTA 60
DB 185 ATGCTTTTAAAGTGCTACTAGAAACAGAGAAAAAGTTTTTCTCTTTTAGTATTACTA 244
QY 61 GGCTATTGTGCATGTAAAGTCACTGTGAAACAGAGAGACTGTAGACACAGAAATTCAGG 120
DB 245 GGCTATTGTGCATGTAAAGTCACTGTGAAATCAGAGAGACTGTAGACACAGAAATTCAGG 304
QY 121 GATGGCTGCGAACTGTGTTCCCTGCAACAGAGTGTGGCCAGGAGCATGAGTTGTCTAAG 180
DB 305 GATGGCTGCGAACTGTGTTCCCTGCAACAGAGTGTGGCCAGGAGCATGAGTTGTCTAAG 364
QY 181 GAATGTGCTTCGGCTATGCGGAGGATGCACAGAGTGTGAGGTGCGGCTGCACAGGTTTC 240
DB 365 GAATGTGCTTCGGCTATGCGGAGGATGCACAGAGTGTGAGGTGCGGCTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGTTCAGAAATGCAAGCCCTGTCTGAGACTGCGCAGTGGTGAACCGC 300
DB 425 AAGGAGGACTGGGGTTCAGAAATGCAAGCCCTGTCTGAGACTGCGCAGTGGTGAACCGC 484
QY 301 TTTTCAAGAGGCAAAATTTGTTTCAGCCACAGTGCATGTCATCTGCGGGGACTGCTTGGCAGGA 360
DB 485 TTTTCAAGAGGCAAAATTTGTTTCAGCCACAGTGCATGTCATCTGCGGGGACTGCTTGGCAGGA 544
QY 361 TTTTATAGGAAGACGAAAATTTGTCGGCTTTTCAAGACATGGAGTGTGCTTGTGGAGAC 420
DB 545 TTTTATAGGAAGACGAAAATTTGTCGGCTTTTCAAGACATGGAGTGTGCTTGTGGAGAC 604
QY 421 CCTCTCTCTCTTACGAAACCGCACTGTGCGCAGCAAGGTCAACCTCTGTAAGATCCGCTCC 480
DB 605 CCTCTCTCTCTTACGAAACCGCACTGTGCGCAGCAAGGTCAACCTCTGTAAGATCCGCTCC 664
QY 481 ACGGCTCCAGCCACGCGGACACGCGCTGGCTGCGGTTATCTGAGCGCTCTGCGCAC 540
DB 665 ACGGCTCCAGCCACGCGGACACGCGCTGGCTGCGGTTATCTGAGCGCTCTGCGCAC 724
QY 541 GTCTCTGCTGGCCCTGCTCATCTCTGTGTCTATTTGTGTAAGAGACAGTTTATGAGAGAG 600
DB 725 GTCTCTGCTGGCCCTGCTCATCTCTGTGTCTATTTGTGTAAGAGACAGTTTATGAGAGAG 784
QY 601 AAACCCAGCTGTCTCTGCGGTTCAGAGCACTTCAAGTCAACCGCTCTGAGCTGTCTGT 660
DB 785 AAACCCAGCTGTCTCTGCGGTTCAGAGCACTTCAAGTCAACCGCTCTGAGCTGTCTGT 844
QY 661 CTTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGTGCGGCGCGCTGAC 720
DB 845 CTTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGTGCGGCGCGCTGAC 904
QY 721 TCAGTGCAGACCTGCGGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 780
DB 905 TCAGTGCAGACCTGCGGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 964
QY 781 AGCCCCAACCCGCGGAGTGTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840

Db 965 AGCCCCAACCGCGACTCTTGGTGTGGGTGCAATTCGACCGAGTCTTCAGGCAAGA 1024
Qy 841 AACGCGAGCCAGCCGGGAGATGGTCCGACTTTCTTCGGATCCCTCAGCAGTCCATC 900
Db 1025 AACGCGAGCCAGCCGGGAGATGGTCCGACTTTCTTCGGATCCCTCAGCAGTCCATC 1084
Qy 901 TGTGGCGAGTTTTCAGATGCTGGCTCTGATGCGAATCCCATGGGTGTGCAACATC 960
Db 1085 TGTGGCGAGTTTTCAGATGCTGGCTCTGATGCGAATCCCATGGGTGTGCAACATC 1144
Qy 961 TCTTTTGTGACTCTTATCTGAACTCAGTGGAGAGACATTCATCTCTCAATCCAGAA 1020
Db 1145 TCTTTTGTGACTCTTATCTGAACTCAGTGGAGAGACATTCATCTCTCAATCCAGAA 1204
Qy 1021 CTTGAAAGCTCAACGCTCTTGGATTCAAATAGCAGTCAAGATTGGTGGGGCTGTT 1080
Db 1205 CTTGAAAGCTCAACGCTCTTGGATTCAAATAGCAGTCAAGATTGGTGGGGCTGTT 1264
Qy 1081 CCAAGTCAAGTCTCAATCTGAAACTTTTACAGCAGTCAAGATTGGTGGGGCTGTT 1140
Db 1265 CCAAGTCAAGTCTCAATCTGAAACTTTTACAGCAGTCAAGATTGGTGGGGCTGTT 1324
Qy 1141 ACAGTGTGAATCAGATCAATCTGAACTTACAGCAGTCAAGATTGGTGGGGCTGTT 1200
Db 1325 ACAGTGTGAATCAGATCAATCTGAACTTACAGCAGTCAAGATTGGTGGGGCTGTT 1384
Qy 1201 GAGAGTGGCGCTATCATCCACCCAGCCACTCAGACGTCCTCCAGGAA 1248
Db 1385 GAGAGTGGCGCTATCATCCACCCAGCCACTCAGACGTCCTCCAGGAA 1432

RESULT 9

US-10-175-752-473
; Sequence 473, Application US/10175752
; Publication No. US2003002295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: F3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175,752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-752-473

Query Match 97.7%; Score 1240; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
Qy 1 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 60
Db 185 ATGGCTTTAAAGTGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 244
Qy 61 GGCTATTGTGATGTAAGTGAATCTGTAAGCAGGAGACTGTGAGAACAGGAAATTCAGG 120
Db 245 GGCTATTGTGATGTAAGTGAATCTGTAAGCAGGAGACTGTGAGAACAGGAAATTCAGG 304

Qy 121 GATCGGTCTGGAACCTGTGTTCCCTGCAACAGTGTGGCCAGGCGATGAGTGTCTAAG 180
Db 305 GATCGGTCTGGAACCTGTGTTCCCTGCAACAGTGTGGCCAGGCGATGAGTGTCTAAG 364
Qy 181 GAATGTGGCTTCGGGTATGGGAGAGATGACAGTGTGTGACGTGCGGCTGCACAGGTTC 240
Db 365 GAATGTGGCTTCGGGTATGGGAGAGATGACAGTGTGTGACGTGCGGCTGCACAGGTTC 424
Qy 241 AAGGAGGACTGGGGCTTCCAGAAATGCAAGCCCTCTGTGGACTGCGCAGTGTGAACCGC 300
Db 425 AAGGAGGACTGGGGCTTCCAGAAATGCAAGCCCTCTGTGGACTGCGCAGTGTGAACCGC 484
Qy 301 TTTTCAAGGCAATTTGTTTACGCCACAGTGTGATGATCTGCGGGGACTGCTTGCAGAA 360
Db 485 TTTTCAAGGCAATTTGTTTACGCCACAGTGTGATGATCTGCGGGGACTGCTTGCAGAA 544
Qy 361 TTTTATAGGAGCAAACTTGTGCGCTTTTCAAGACATGGAGTGTGCTTTGTGAGAAC 420
Db 545 TTTTATAGGAGCAAACTTGTGCGCTTTTCAAGACATGGAGTGTGCTTTGTGAGAAC 604
Qy 421 CCTCTCTCTCTTACGAAACCGCACTGTGCGCAGCAAGGTCAACCTCTGTGAAGATCGCTCC 480
Db 605 CCTCTCTCTCTTACGAAACCGCACTGTGCGCAGCAAGGTCAACCTCTGTGAAGATCGCTCC 664
Qy 481 ACGGCTCTCAGCCACGGGACACGGCGCTGGCTGCGTATCTGAGCGCTCTGCGCCACC 540
Db 665 ACGGCTCTCAGCCACGGGACACGGCGCTGGCTGCGTATCTGAGCGCTCTGCGCCACC 724
Qy 541 GTCTGTCTGGCCCTGCTCATCTCTGTGTCTATCTGTAAGAGACAGTTTATGAGAGAG 600
Db 725 GTCTGTCTGGCCCTGCTCATCTCTGTGTCTATCTGTAAGAGACAGTTTATGAGAGAG 784
Qy 601 AAACCCAGTGTGTCTCTGCGGTCAAGGACATTCAGTACAAACGGCTCTGAGCTGTCTGT 660
Db 785 AAACCCAGTGTGTCTCTGCGGTCAAGGACATTCAGTACAAACGGCTCTGAGCTGTCTGT 844
Qy 661 CTTGACAGACTCTCAGCTCCAGATATGCCACAGAGCTGTGCGAGTCCGCGCGTGCAC 720
Db 845 TTTGACAGACTCTCAGCTCCAGATATGCCACAGAGCTGTGCGAGTCCGCGCGTGCAC 904
Qy 721 TCAGTGTGAGACTGTGGGCGGTGGCTTGTCTCCATCATGTGTGTGAGAGAGCTTGC 780
Db 905 TCAGTGTGAGACTGTGGGCGGTGGCTTGTCTCCATCATGTGTGTGAGAGAGCTTGC 964
Qy 781 AGCCCCAACCCGGCGACTCTTGGTGTGGGTGCAATTCGACGAGCTTTCAGGCAAGA 840
Db 965 AGCCCCAACCCGGCGACTCTTGGTGTGGGTGCAATTCGACGAGCTTTCAGGCAAGA 1024
Qy 841 AAGCAGGCGCCAGCCGGGAGATGGTGGGACTTTCTTGGATCCCTCAGCAGTCCATC 900
Db 1025 AAGCAGGCGCCAGCCGGGAGATGGTGGGACTTTCTTGGATCCCTCAGCAGTCCATC 1084
Qy 901 TGTGGCGAGTTTTCAGATGCTGGCTCTGTATGAGAGAAATCCCATGGGTGTGACAAATC 960
Db 1085 TGTGGCGAGTTTTCAGATGCTGGCTCTGTATGAGAGAAATCCCATGGGTGTGACAAATC 1144
Qy 961 TCTTTTGTGACTCTTATCTGAACTCAGTGGAGAGACATTCATCTCTCAATCCAGAA 1020
Db 1145 TCTTTTGTGACTCTTATCTGAACTCAGTGGAGAGACATTCATCTCTCAATCCAGAA 1204
Qy 1021 CTTGAAAGCTCAACGCTCTTGGATTCAAATAGCAGTCAAGATTGGTGGGGCTGTT 1080
Db 1205 CTTGAAAGCTCAACGCTCTTGGATTCAAATAGCAGTCAAGATTGGTGGGGCTGTT 1264
Qy 1081 CCAAGTCAAGTCTCAATCTGAAACTTTTACAGCAGTCAAGATTGGTGGGGCTGTT 1140
Db 1265 CCAAGTCAAGTCTCAATCTGAAACTTTTACAGCAGTCAAGATTGGTGGGGCTGTT 1324
Qy 1141 ACAGTGTGAATCAGATCAACTCAGGATGCACTAATATGAGAGAGCCAGCTAGATCAG 1200
Db 1325 ACAGTGTGAATCAGATCAACTCAGGATGCACTAATATGAGAGAGCCAGCTAGATCAG 1384
Qy 1201 GAGAGTGGCGCTATCATCCACCCAGCCACTCAGACGTCCTCCAGGTA 1248

Db 1385 GAGAGTGGCGCTGTCTATCACCCAGCACTCAGACGTCCCTCCAGGAA 1432

RESULT 10

US-10-176-482-473
; Sequence 473, Application US/10176482
; Publication No. US20030022297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C70
; CURRENT APPLICATION NUMBER: US/10/176,482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-482-473

Query Match 97.7%; Score 1240; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATGGCTTTAAAGTGCTACTAGAACAGAGAAACGTTTTTCACTTTTACTACTA 60
Db 185 ATGGCTTTAAAGTGCTACTAGAACAGAGAAACGTTTTTCACTTTTACTACTA 244
QY 61 GCGTATTCTCATGTAAAGTGCTTTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGG 120
Db 245 GCGTATTCTCATGTAAAGTGCTTTGAAATCAGGAGACTGTAGACAGCAAGAAATTCAGG 304
QY 121 GATCGGTCTGGAACATGTCTCCCTGCAACCAAGTGTGGCCAGGCAATGAGTTGTCTAAG 180
Db 305 GATCGGTCTGGAACATGTCTCCCTGCAACCAAGTGTGGCCAGGCAATGAGTTGTCTAAG 364
QY 181 GAATGTGGCTTCGGCTATGGGAGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTTC 240
Db 365 GAATGTGGCTTCGGCTATGGGAGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTGCTGGACTGCGGCTGTGACCGC 300
Db 425 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTGCTGGACTGCGGCTGTGACCGC 484
QY 301 TTTTCAAGGCAAAATGTTTTCAGCCACAGTGTGATGCTGCGGAGCTGTTGCGAGCA 360
Db 485 TTTTCAAGGCAAAATGTTTTCAGCCACAGTGTGATGCTGCGGAGCTGTTGCGAGCA 544
QY 361 TTTTATAGGAAGCAAGAACTTGTGCGCTTTTCAAGACATGAGTGTGTGCTTTGTGAGAC 420
Db 545 TTTTATAGGAAGCAAGAACTTGTGCGCTTTTCAAGACATGAGTGTGTGCTTTGTGAGAC 604
QY 421 CCTCTCTCTCTTACGAACCGCACTGTGCGCAGCAAGTCAACTGTGTGAGTTCGGTCC 480
Db 605 CCTCTCTCTCTTACGAACCGCACTGTGCGCAGCAAGTCAACTGTGTGAGTTCGGTCC 664
QY 481 ACGGCTCCAGGCCACCGGACACGGCGCTGGCTGCGGTTATCTGCAGCGCTCTGCGCAC 540
Db 665 ACGGCTCCAGGCCACCGGACACGGCGCTGGCTGCGGTTATCTGCAGCGCTCTGCGCAC 724

QY 541 GTCTGTGGCCCTGCTCATCTCTGTGTCTATTTGTAAAGACAGTTTATGAGAGAG 600
Db 725 GTCTGTGGCCCTGCTCATCTCTGTGTCTATTTGTAAAGACAGTTTATGAGAGAG 784
QY 601 AAACCCAGCTGGTCTCTGCGGTTCAGTACAGGACATTAGTACAAAGGCTCTGAGCTGTCTGT 660
Db 785 AAACCCAGCTGGTCTCTGCGGTTCAGTACAGGACATTAGTACAAAGGCTCTGAGCTGTCTGT 844
QY 661 CTTGACAGACCTCAGCTCCAGGAATATGCCACAGAGCTGTCTGCGAGTCCGCGCTGAC 720
Db 845 TTTGACAGACCTCAGCTCCAGGAATATGCCACAGAGCTGTCTGCGAGTCCGCGCTGAC 904
QY 721 TCAGTGCAGACCTGCGGCGCGGTGCGCTTGTGCTCCATCCATGTCTGTGAGAGGCGCTGTC 780
Db 905 TCAGTGCAGACCTGCGGCGCGGTGCGCTTGTGCTCCATCCATGTCTGTGAGAGGCGCTGTC 964
QY 781 AGCCCCAACCCGCGGACCTCTTGTGTTGGGTGCAATCTGCGAGCAGTCTTCAGGCAAGA 840
Db 965 AGCCCCAACCCGCGGACCTCTTGTGTTGGGTGCAATCTGCGAGCAGTCTTCAGGCAAGA 1024
QY 841 AACGAGGCCCGAGCGGCGGAGATGGTGGCGACTTTTCTCGGATCCCTCACGAGTCCATC 900
Db 1025 AACGAGGCCCGAGCGGCGGAGATGGTGGCGACTTTTCTCGGATCCCTCACGAGTCCATC 1084
QY 901 TGTGCGAGTTTTCAGATGCGTGGCGCTCTGATGCAAGATCCCATGGGTGTCACAAATC 960
Db 1085 TGTGCGAGTTTTCAGATGCGTGGCGCTCTGATGCAAGATCCCATGGGTGTCACAAATC 1144
QY 961 TCTTTTGTGACTCTTATCTCTGAACTCACTGGAGAGACATTCATCTCTCAATCCAGAA 1020
Db 1145 TCTTTTGTGACTCTTATCTCTGAACTCACTGGAGAGACATTCATCTCTCAATCCAGAA 1204
QY 1021 CTTGAAAGCTCAACGCTCTTTGGATTCAATAGCAGTCAAGATTTTGGTTGGGCGTGT 1080
Db 1205 CTTGAAAGCTCAACGCTCTTTGGATTCAATAGCAGTCAAGATTTTGGTTGGGCGTGT 1264
QY 1081 CCAATGCTGCTCAATCTTGAATACTTTACAGCAGTCTAGATTTATCTAGATATACAAAC 1140
Db 1265 CCAATGCTGCTCAATCTTGAATACTTTACAGCAGTCTAGATTTATCTAGATATACAAAC 1324
QY 1141 ACATGCTAGATCAGATCACTCACTGAGTCACTCACTGAGAGAGACATTCATCTCTCAATCCAGAA 1200
Db 1325 ACATGCTAGATCAGATCACTCACTGAGTCACTCACTGAGAGAGACATTCATCTCTCAATCCAGAA 1384
QY 1201 GAGAGTGGCGCTATCATCCACCCAGCTCAGAGCTCCCTCCAGGTA 1248
Db 1385 GAGAGTGGCGCTATCATCCACCCAGCTCAGAGCTCCCTCCAGGTA 1432

RESULT 11

US-10-176-757-473
; Sequence 473, Application US/10176757
; Publication No. US20030022297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,757
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473

```
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-757-473

Query Match      97.7%; Score 1240; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATGGCTTTAAAGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 60
DB 185 ATGGCTTTAAAGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 244
QY 61 GGCATTTTCATGTAAAGTACTTGTGAACAGGAGACTGTAGACAGCAAGAAATTCAGG 120
DB 245 GGCATTTTCATGTAAAGTACTTGTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGG 304
QY 121 GATCGTCTGGAACCTGTCTCCCTGCAACCAAGTGTGGCCAGGCATGAGTTGTCTAAG 180
DB 305 GATCGTCTGGAACCTGTCTCCCTGCAACCAAGTGTGGCCAGGCATGAGTTGTCTAAG 364
QY 181 GAATGTGCTTCGGCTATCGGGAGGATGCACAGTGTGCACGTCGCCGCTGCACAGTTTC 240
DB 365 GAATGTGCTTCGGCTATCGGGAGGATGCACAGTGTGCACGTCGCCGCTGCACAGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCCAGAAAATGCAAGAAATGCAAGAAATGCAAGAAATGCAAGAA 960
DB 1085 AAGGAGGACTGGGGCTTCCAGAAAATGCAAGAAATGCAAGAAATGCAAGAAATGCAAGAA 1144

; RESULT 12
US-10-176-913-473
; Sequence 473, Application US/10176913
; Publication No. US20030022298A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P34301C66
; CURRENT APPLICATION NUMBER: US/10/176,913
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-913-473

Query Match      97.7%; Score 1240; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATGGCTTTAAAGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 60
DB 185 ATGGCTTTAAAGTCTACTAGAACAGAGAAACGTTTTTCACTCTTTTAGTATTACTA 244
QY 61 GGCATTTTCATGTAAAGTACTTGTGAACAGGAGACTGTAGACAGCAAGAAATTCAGG 120
DB 245 GGCATTTTCATGTAAAGTACTTGTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGG 304
QY 121 GATCGTCTGGAACCTGTCTCCCTGCAACCAAGTGTGGCCAGGCATGAGTTGTCTAAG 180
DB 305 GATCGTCTGGAACCTGTCTCCCTGCAACCAAGTGTGGCCAGGCATGAGTTGTCTAAG 364
QY 181 GAATGTGCTTCGGCTATCGGGAGGATGCACAGTGTGCACGTCGCCGCTGCACAGTTTC 240
DB 365 GAATGTGCTTCGGCTATCGGGAGGATGCACAGTGTGCACGTCGCCGCTGCACAGTTTC 424
QY 241 AAGGAGGACTGGGGCTTCCAGAAAATGCAAGAAATGCAAGAAATGCAAGAAATGCAAGAA 960
DB 1085 AAGGAGGACTGGGGCTTCCAGAAAATGCAAGAAATGCAAGAAATGCAAGAAATGCAAGAA 1144
```

301 TTTTCAAGGCAAAATTGTTTCAAGCCACAGTGTATGATGCTCGGGGAGCTGTTGCCAGGA 360
Db
485 TTTTCAAGGCAAAATTGTTTCAAGCCACAGTGTATGATGCTCGGGGAGCTGTTGCCAGGA 544
Qy
361 TTTTATAGAGACGAAACTTGTGGCTTTTCAAGACATGGAGTGTGTCCTTTGGAGAC 420
Db
545 TTTTATAGAGACGAAACTTGTGGCTTTTCAAGACATGGAGTGTGTCCTTTGGAGAC 604
Qy
421 CCTCTCTCTCTTACGACCGCACTGTGCGGAGCTGCTCAACCTCGTGAAGATCGCGTCC 480
Db
605 CCTCTCTCTCTTACGACCGCACTGTGCGGAGCTGCTCAACCTCGTGAAGATCGCGTCC 664
Qy
481 ACGGCTCCAGCCCAAGGACACGCGCTGTGCGGTTTATCTGAGCGCTCTGGCCACC 540
Db
665 ACGGCTCCAGCCCAAGGACACGCGCTGTGCGGTTTATCTGAGCGCTCTGGCCACC 724
Qy
541 GTCTGTGCGGCTGCTCATCTCTGTGTCTATCTATTGTAAGAGACAGTATTATGAGAAG 600
Db
725 GTCTGTGCGGCTGCTCATCTCTGTGTCTATCTATTGTAAGAGACAGTATTATGAGAAG 784
Qy
601 AAACCCAGCTGTCTCGGCTCAAGACATTCAGTACAGGCTCTGAGCTGTGCTGT 660
Db
785 AAACCCAGCTGTCTCGGCTCAAGACATTCAGTACAGGCTCTGAGCTGTGCTGT 844
Qy
661 CTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGTGCGAGTGGCGCGTGCAC 720
Db
845 TTTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGTGCGAGTGGCGCGTGCAC 904
Qy
721 TCAGTGCAGACCTGCGGCGGCTGTGCTGCTCCATCCATGTGTGTGAGGAGCCTGC 780
Db
905 TCAGTGCAGACCTGCGGCGGCTGTGCTGCTCCATCCATGTGTGTGAGGAGCCTGC 964
Qy
781 AGCCCCAACCCGCGCACTCTTGGTTGTGGGGTGCATTCAGCAGCAGTCTTCAGCAGA 840
Db
965 AGCCCCAACCCGCGCACTCTTGGTTGTGGGGTGCATTCAGCAGCAGTCTTCAGCAGA 1024
Qy
841 AACGAGGCGCCAGCGGAGATGTGCGGCTTCTCGGATCCCTCAGCGAGTCCATC 900
Db
1025 AACGAGGCGCCAGCGGAGATGTGCGGCTTCTCGGATCCCTCAGCGAGTCCATC 1084
Qy
901 TGTGCGGAGTTTTCAGATGCTGCTGCGCTCTGATGCAAGATCCCATGGTGTGACAAATC 960
Db
1085 TGTGCGGAGTTTTCAGATGCTGCTGCGCTCTGATGCAAGATCCCATGGTGTGACAAATC 1144
Qy
961 TCTTTTGTGACTCTTATCCTGAATCTCACTGAGAGACATTCATCTCTCAATCCAGAA 1020
Db
1145 TCTTTTGTGACTCTTATCCTGAATCTCACTGAGAGACATTCATCTCTCAATCCAGAA 1204
Qy
1021 CTTGAAAGCTCAACGCTCTTGGATTCAAATAGCAGTCAAGATTGTTGGTGGGCTGT 1080
Db
1205 CTTGAAAGCTCAACGCTCTTGGATTCAAATAGCAGTCAAGATTGTTGGTGGGCTGT 1264
Qy
1081 CCAGTCCAGTCTCATCTTGAAGCTTTTACAGCAGTCTGATTTATCTAGATATAACAC 1140
Db
1265 CCAGTCCAGTCTCATCTTGAAGCTTTTACAGCAGTCTGATTTATCTAGATATAACAC 1324
Qy
1141 ACACCTGTAGATCAGCATCACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG 1200
Db
1325 ACACCTGTAGATCAGCATCACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG 1384
Qy
1201 GAGAGTGGGCTGTATCATCCAGCCAGCCTCAGAGCTCCCTCCAGGTA 1248
Db
1385 GAGAGTGGGCTGTATCATCCAGCCAGCCTCAGAGCTCCCTCCAGGAA 1432

RESULT 13

US-10-180-552-473
; Sequence 473, Application US/10180552
; Publication No. US20030022300A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian

APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3430R1C153
CURRENT APPLICATION NUMBER: US/10/180,552
CURRENT FILING DATE: 2002-06-25
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 473
LENGTH: 2870
TYPE: DNA
ORGANISM: Homo Sapien
US-10-180-552-473

Query Match 97.7%; Score 1240; DB 9; Length 2870;

Best Local Similarity 99.6%; Pred. No. 0;

Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ATGCGCTTTAAAGTGCTACTAGAAACAAGAGAAAAAGTTTTCACCTCTTTTAGTATTACTA 60
Db 185 ATGCGCTTTAAAGTGCTACTAGAAACAAGAGAAAAAGTTTTCACCTCTTTTAGTATTACTA 244
Qy 61 GGCTATTGTTCATGTAAGTGACTTGTGAACAAGAGAGACTGTAGACAGCAAGAAATTCAGG 120
Db 245 GGCTATTGTTCATGTAAGTGACTTGTGAACAAGAGAGACTGTAGACAGCAAGAAATTCAGG 304
Qy 121 GATCGGTCTGAAACTGTGTTCCTCTGCAACAAGTGTGGGCCAGGATGTGCTTAAG 180
Db 305 GATCGGTCTGAAACTGTGTTCCTCTGCAACAAGTGTGGGCCAGGATGTGCTTAAG 364
Qy 181 GAATGTGCTTTCGGCTATGGGAGGATGCACAGTGTGTGAGTGTGCGGCTGCACAGGTTTC 240
Db 365 GAATGTGCTTTCGGCTATGGGAGGATGCACAGTGTGTGAGTGTGCGGCTGCACAGGTTTC 424
Qy 241 AAGGAGGACTGCGGCTTTCAGAAATGCAAGCCCTGTCTGGAATGCGCAGTGGTGAACCGC 300
Db 425 AAGGAGGACTGCGGCTTTCAGAAATGCAAGCCCTGTCTGGAATGCGCAGTGGTGAACCGC 484
Qy 301 TTTCAAGAGGCAAAATTTGTTTCAACCACAGTGTATGCGGAGTGTGCTTGCAGGA 360
Db 485 TTTCAAGAGGCAAAATTTGTTTCAACCACAGTGTATGCGGAGTGTGCTTGCAGGA 544
Qy 361 TTTTATAGAGACGAAACTTGTGCGGCTTTCAGACATGAGAGTGTGCGCTTGTGAGAGAC 420
Db 545 TTTTATAGAGACGAAACTTGTGCGGCTTTCAGACATGAGAGTGTGCGCTTGTGAGAGAC 604
Qy 421 CCTCTCTCTCTTACGAAACCGCACTGTGCGGAGTGTGCGGAGTCAACCTCGTGAAGATCGCGTCC 480
Db 605 CCTCTCTCTCTTACGAAACCGCACTGTGCGGAGTGTGCGGAGTCAACCTCGTGAAGATCGCGTCC 664
Qy 481 ACGGCTCCAGCCCAAGGACACGCGCTGTGCGGTTTATCTGAGCGCTCTGGCCACC 540
Db 665 ACGGCTCCAGCCCAAGGACACGCGCTGTGCGGTTTATCTGAGCGCTCTGGCCACC 724
Qy 541 GTCTGTGCGGCTGCTCATCTCTGTGTCTATCTATTGTAAGAGACAGTATTATGAGAAG 600
Db 725 GTCTGTGCGGCTGCTCATCTCTGTGTCTATCTATTGTAAGAGACAGTATTATGAGAAG 784
Qy 601 AAACCCAGCTGTCTCGGCTCAAGACATTCAGTACAGGCTCTGAGCTGTGCTGT 660
Db 785 AAACCCAGCTGTCTCGGCTCAAGACATTCAGTACAGGCTCTGAGCTGTGCTGT 844
Qy 661 CTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGTGCTGAGTGGCGCGTGCAC 720
Db 845 TTTGACAGACCTCAGCTCCAGCAATATGCCACAGAGCTGTGCGAGTGGCGCGTGCAC 904

QY	721	TCAGTGCAGACCTGCGGGCGGTGCGCTTGTCTCCATCCATGCTGTCGAGGAGGCTGC	780	185	ATGGCTTTAAAGTGTCTACTAGAAACAAGAGAAAACGTTTTTTCACCTCTTTTAGTATTACTA	244	
Db	905	TCAGTGCAGACCTGCGGGCGGTGCGCTTGTCTCCATCCATGCTGTCGAGGAGGCTGC	964	QY	61	GGCTATTTGTTCATGTAAAGTGTGCTGTAAGACAGGAGAGCTGTAGACAGCAAGAAATTCAGG	120
QY	781	AGCCCCAACCGGCGACTTGTGTTGTGGGTGTCATTCGACGCACTTTCAGGCAAGA	840	Db	245	GGCTATTTGTTCATGTAAAGTGTGCTGTAAGACAGGAGAGCTGTAGACAGCAAGAAATTCAGG	304
Db	965	AGCCCCAACCGGCGACTTGTGTTGTGGGTGTCATTCGACGCACTTTCAGGCAAGA	1024	QY	121	GATCGGTCTGGAACATGTGTTCCCTGCAACAGAGTGGGCCAGGATGGAGTTGTCTAAG	180
QY	841	AACGACAGGCCACCGGGGAGATGTGCGGACTTCTTCGGATCCCTCAGCAGTCCATC	900	Db	305	GATCGGTCTGGAACATGTGTTCCCTGCAACAGAGTGGGCCAGGATGGAGTTGTCTAAG	364
Db	1025	AACGACAGGCCACCGGGGAGATGTGCGGACTTCTTCGGATCCCTCAGCAGTCCATC	1084	QY	181	GATCTGCGCTTCGGCTATGGGAGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTTC	240
QY	901	TGTGGCGAGTTTTCAGATGCTGGGCTCTGATGCAAGATCCCATGGGTGGTGACAAATC	960	Db	365	GATCTGCGCTTCGGCTATGGGAGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTTC	424
Db	1085	TGTGGCGAGTTTTCAGATGCTGGGCTCTGATGCAAGATCCCATGGGTGGTGACAAATC	1144	QY	241	AAGGAGGACTGCGGGCTTCCAGAAATGCAAGCCCTCTCTGGACTGCGCAGTGGTGAACCGC	300
QY	961	TCTTTTGTGACTCTTATCTGAACTCTCATCTGAGAGAGACATTCATCTCTCAATCCAGAA	1020	Db	425	AAGGAGGACTGCGGGCTTCCAGAAATGCAAGCCCTCTCTGGACTGCGCAGTGGTGAACCGC	484
Db	1145	TCTTTTGTGACTCTTATCTGAACTCTCATCTGAGAGAGACATTCATCTCTCAATCCAGAA	1204	QY	301	TTTTCAGAGAGGCAAAATGTTTCAGCCACAGTGTGATGATGATGATGATGATGATGATGATG	360
QY	1021	CTTGAAGCTCAACGCTTCTGAACTTCTGAGTCAAGTCAAGTCAAGTCAAGTCAAG	1080	Db	485	TTTTCAGAGAGGCAAAATGTTTCAGCCACAGTGTGATGATGATGATGATGATGATGATGATG	544
Db	1205	CTTGAAGCTCAACGCTTCTGAACTTCTGAGTCAAGTCAAGTCAAGTCAAGTCAAG	1264	QY	361	TTTTATAGAGAGCAAACTTGTGCGCTTTCAGAGATGAGTGTGCTTGTGAGAGAC	420
QY	1081	CCAGTCCAGTCTCAATCTGAACTTCTGAGTCAAGTCAAGTCAAGTCAAGTCAAG	1140	Db	545	TTTTATAGAGAGCAAACTTGTGCGCTTTCAGAGATGAGTGTGCTTGTGAGAGAC	604
Db	1265	CCAGTCCAGTCTCAATCTGAACTTCTGAGTCAAGTCAAGTCAAGTCAAGTCAAG	1324	QY	421	CCTCTCTCTCTTACGAAACCGCCTGTGCGCAGTGTGATGATGATGATGATGATGATGATG	480
QY	1141	ACACTGGTAGAATCAGATCAACTCAGGATGCACTAATGAGAGCCAGCTAGATCAG	1200	Db	605	CCTCTCTCTCTTACGAAACCGCCTGTGCGCAGTGTGATGATGATGATGATGATGATGATG	664
Db	1325	ACACTGGTAGAATCAGATCAACTCAGGATGCACTAATGAGAGCCAGCTAGATCAG	1384	QY	481	ACGGCTCTCAGCCACGGGACACGGCGCTGGCTGCGTATCTGAGAGCTCTGCGCCACC	540
QY	1201	GAGAGTGGCGCTATCATCCACCGACCTCAGAGCTGCCCTCCAGGTA	1248	Db	665	ACGGCTCTCAGCCACGGGACACGGCGCTGGCTGCGTATCTGAGAGCTCTGCGCCACC	724
Db	1385	GAGAGTGGCGCTATCATCCACCGACCTCAGAGCTGCCCTCCAGGTA	1432	QY	541	GTCTCTGCTGGCCCTGCTCATCTCTGCTGCTATGTAAGAGACAGTTTATGAGAGAG	600
				Db	725	GTCTCTGCTGGCCCTGCTCATCTCTGCTGCTATGTAAGAGACAGTTTATGAGAGAG	784
				QY	601	AAACCCAGCTGGTCTCTGCGGTACAGGACATTCAGTACAACGGCTCTGAGCTGCTGTT	660
				Db	785	AAACCCAGCTGGTCTCTGCGGTGCGAGGACATTCAGTACAACGGCTCTGAGCTGCTGTT	844
				QY	661	CTTGACAGACCTCAGCTCAGCAATATGCCCCACAGAGCTGCTGCCAGTGGCCGCTGAC	720
				Db	845	TTTTCAGACACCTCAGCTCAGCAATATGCCCCACAGAGCTGCTGCCAGTGGCCGCTGAC	904
				QY	721	TCAGTGCAGACCTGCGGGCGGTGCGCTTGTCTCCATCCATGCTGTCGAGGAGGCTGC	780
				Db	905	TCAGTGCAGACCTGCGGGCGGTGCGCTTGTCTCCATCCATGCTGTCGAGGAGGCTGC	964
				QY	781	AGCCCCAACCGGCGACCTTGTGTTGTGGGTGTCATTCGACGCACTTTCAGGCAAGA	840
				Db	965	AGCCCCAACCGGCGACCTTGTGTTGTGGGTGTCATTCGACGCACTTTCAGGCAAGA	1024
				QY	841	AACGACAGGCCACCGCGGAGATGGTGCAGACTTTTCTTCGGATCCCTCAGCAGTCCATC	900
				Db	1025	AACGACAGGCCACCGCGGAGATGGTGCAGACTTTTCTTCGGATCCCTCAGCAGTCCATC	1084
				QY	901	TGTGGCGAGTTTTCAGATGCTGGGCTCTGATGCAAGATCCCATGGGTGGTGACAAATC	960
				Db	1085	TGTGGCGAGTTTTCAGATGCTGGGCTCTGATGCAAGATCCCATGGGTGGTGACAAATC	1144
				QY	961	TCTTTTGTGACTCTTATCTGAACTCTCATCTGAGAGAGACATTCATCTCTCAATCCAGAA	1020
				Db	1145	TCTTTTGTGACTCTTATCTGAACTCTCATCTGAGAGAGACATTCATCTCTCAATCCAGAA	1204
				QY	1021	CTTGAAGCTCAACGCTCTTTTGGATTTCAAAATAGCAGTCAAGATTTTGGTTGGTGGGCTGTT	1080
				Db	1205	CTTGAAGCTCAACGCTCTTTTGGATTTCAAAATAGCAGTCAAGATTTTGGTTGGTGGGCTGTT	1264
				QY	1081	CCAGTCCAGTCTCAATCTGAAAACTTTTACAGAGCTACTGATTTATCTAGATATAACAAC	1140
				Db	1265	CCAGTCCAGTCTCAATCTGAAAACTTTTACAGAGCTACTGATTTATCTAGATATAACAAC	1324
				QY	1	ATGGCTTTAAAGTGTCTACTAGAAACAAGAGAAAACGTTTTTTCACCTCTTTTAGTATTACTA	60

RESULT 14

US-10-180-557-473
; Sequence 473, Application US/10180557
; Publication No. US20030022301A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C147
; CURRENT APPLICATION NUMBER: US/10/180,557
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-180-557-473

Query Match 97.7%; Score 1240; DB 9; Length 2870;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1243; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1 ATGGCTTTAAAGTCTACTAGAACAGAGAAAACGTTTTTTCACCTCTTTTAGTATTACTA 60
|||||

Qy	1141	ACACTGGTGAATCAGCATCAACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG	1200
Db	1325	ACACTGGTGAATCAGCATCAACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG	1384
Qy	1201	GAGAGTGGCGCTATCATCCACCCAGCCACTCAGACGTCCCTCCAGGTA	1248
Db	1385	GAGAGTGGCGCTGTTCATCCACCCAGCCACTCAGACGTCCCTCCAGGAA	1432

RESULT 15

```

US-10-173-700-473
; Sequence 473, Application US/10173700
; Publication No. US20030027262A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: F3430RIC14
; CURRENT APPLICATION NUMBER: US/10/173,700
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-173-700-473

```

Query Match	97.7%	Score 1240;	DB 9;	Length 2870;
Best Local Similarity	99.6%;	Pred. No. 0;		
Matches 1243;	Conservative 0;	Mismatches 5;	Indels 0;	Gaps 0;
Qy	1	ATGCGTTTAAAGTGCTACTAGACACAGAGAAAACGTTTTTCACCTCTTTTAGTATTACTA	60	
Db	185	ATGCGTTTAAAGTGCTACTAGAACACAGAGAAAACGTTTTTCACCTCTTTTAGTATTACTA	244	
Qy	61	GGCTATTGTGCATGTAAAGTGACTTGTGAAACAGGAGACTGTACACAGCAAGAAATTCAGG	128	
Db	245	GGCTATTGTGCATGTAAAGTGACTTGTGAAATCAGGAGACTGTACAGCAGCAAGAAATTCAGG	304	
Qy	121	GATCGGTCGTGAAACTGTGTTCCCTCGCAACAGTGTGGCGCAGGCATGGAGTTGCTCTAAG	180	
Db	305	GATCGGTCGTGAAACTGTGTTCCCTCGCAACAGTGTGGCGCAGGCATGGAGTTGCTCTAAG	364	
Qy	181	GAATGTGGCTTCGGCTATGGGGAGATGCAAGTGTGACGTGCCCGCTGCACAGGTC	240	
Db	365	GAATGTGGCTTCGGCTATGGGGAGATGCAAGTGTGACGTGCCCGCTGCACAGGTC	424	
Qy	241	AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTGTCTGGACTCGCAGCATGGTGAACCGC	300	
Db	425	AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTGTCTGGACTCGCAGCATGGTGAACCGC	484	
Qy	301	TTTCAGAAAGGCAAAATGTTTCAGCCACAGATGCCATCTCGGGGGAGCTGCTGCCAGGA	360	
Db	485	TTTCAGAAAGGCAAAATGTTTCAGCCACAGATGCCATCTCGGGGGAGCTGCTGCCAGGA	544	
Qy	361	TTTTATAGGAAGACGAAACTTTCGGCTTCCAGACATGGAGTGTGTCCTTTGGGAGAC	420	
Db	545	TTTTATAGGAAGACGAAACTTTCGGCTTTCAGACATGGAGTGTGTCCTTTGGGAGAC	604	
Qy	421	CCTCCTCCTCTTACGAACCCGACTGTGCCAGCAAGGTCAACCTCTGGAAGATCGCGTCC	480	

605	DB	CTCTCTCTCTCTTACGAAACGGCACTGTGCGACGAAAGGTCAA	CCTCTGTGAAGATCGCGTCC	664
481	QY	ACGGCTCTCCAGGCCACGGGACACGGCGCTGGCTGCCGTTTAT	CTGACAGCGCTCTGGCCACC	540
665	DB	ACGGCTCTCCAGGCCACGGGACACGGCGCTGGCTGCCGTTTAT	CTGACAGCGCTCTGGCCACC	724
541	QY	GTCTGTGTGGCCCTGTCTCATCTCTGTGTCACTATTTGTAAGACAG	TATTTATGGAGAG	600
725	DB	GTCTGTGTGGCCCTGTCTCATCTCTGTGTCACTATTTGTAAGACAG	TATTTATGGAGAG	784
601	QY	AAACCCAGCTGTGTCTGTGGGTCAACAGGACATTCAGTACAA	CGGCTCTGAGCTGTGTGT	660
785	DB	AAACCCAGCTGTGTCTGTGGGTCAACAGGACATTCAGTACAA	CGGCTCTGAGCTGTGTGT	844
661	QY	CTTGACAGACCTCAGCTCCACGAATATGCCACAGAGCCCTGTG	CCAGTGCCGCCCTGTGAC	720
845	DB	TTTGTACAGACCTCAGCTCCACGAATATGCCACAGAGCCCTGTG	CCAGTGCCGCCCTGTGAC	904
721	QY	TCAGTGCAGACCTGCGGGCGGTCGTGCTCCCATCCATGTCGTG	TGAGGAGGCGCTGC	780
905	DB	TCAGTGCAGACCTGCGGGCGGTCGTGCTCCCATCCATGTCGTG	TGAGGAGGCGCTGC	964
781	QY	AGCCCCAAACCCGGCGACTCTTGTGTGTGGGGTGCACTTCTG	CACCGAGCTCTTCAGGCAAGA	840
965	DB	AGCCCCAAACCCGGCGACTCTTGTGTGTGGGGTGCACTTCTG	CACCGAGCTCTTCAGGCAAGA	1024
841	QY	AACCGCAGGCCACCGGGGAGATGGTGCCGACTTTCTTCGGAT	CCCTCACGCAAGTCCATC	900
1025	DB	AACCGCAGGCCACCGGGGAGATGGTGCCGACTTTCTTCGGAT	CCCTCACGCAAGTCCATC	1084
901	QY	TGTGGCGAGTTTTCAGATGCTGCGCTCTGATCGAGAAATCCAT	TGGTGGTGACCAATC	960
1085	DB	TGTGGCGAGTTTTCAGATGCTGCGCTCTGATCGAGAAATCCAT	TGGTGGTGACCAATC	1144
961	QY	TCCTTTTGTGACTCTTATCTCGAACTCACCTGGAGAGACATTC	CAATCTCTCAATCCAGAA	1020
1145	DB	TCCTTTTGTGACTCTTATCTCGAACTCACCTGGAGAGACATTC	CAATCTCTCAATCCAGAA	1204
1021	QY	CTTGAAAGCTCAACGCTTTTGGATTCAAATPAGCAGTCAAGATT	TGGTGGTGGGCTGTT	1080
1205	DB	CTTGAAAGCTCAACGCTTTTGGATTCAAATPAGCAGTCAAGATT	TGGTGGTGGGCTGTT	1264
1081	QY	CCAGTCCAGTCTCATCTGAAAATTTACAGAGCTACTGATTTATCT	ATAGATATACAAC	1140
1265	DB	CCAGTCCAGTCTCATCTGAAAATTTACAGAGCTACTGATTTATCT	ATAGATATACAAC	1324
1141	QY	ACACTGGTAGAATCAGCATCAAATCTCAGGATGCACTAACTAT	TGAGAGCCAGCTAGATCAG	1200
1325	DB	ACACTGGTAGAATCAGCATCAAATCTCAGGATGCACTAACTAT	TGAGAGCCAGCTAGATCAG	1384
1201	QY	GAGAGTGGCGCTATCATCCACCGACCATCTCAGACGTCCTCTC	AGGTA 1248	
1385	DB	GAGAGTGGCGCTATCATCCACCGACCATCTCAGACGTCCTCTC	AGGTA 1432	

Search completed: June 23, 2003, 02:51:18
Job time : 195.128 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 22, 2003, 16:36:23 ; Search time 71.9231 Seconds
(without alignments)
6378.877 Million cell updates/sec

Title: US-09-380-276A-7
Perfect score: 1496
Sequence: 1 99gaacgtagaactctccaa.....aaaaaaaaaaaaaaaaaaaaa 1496

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA: *
1: /cgn2_6/prodata/1/ina/5A COMB.seq: *
2: /cgn2_6/prodata/1/ina/5B COMB.seq: *
3: /cgn2_6/prodata/1/ina/6A COMB.seq: *
4: /cgn2_6/prodata/1/ina/6B COMB.seq: *
5: /cgn2_6/prodata/1/ina/PCTUS COMB.seq: *
6: /cgn2_6/prodata/1/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	447.2	29.9	893	4	US-09-286-529-8
2	326.6	21.8	623	4	US-09-286-529-9
3	56.8	3.8	1883	4	US-09-149-476-170
4	54.8	3.7	1592	3	US-08-545-196B-10
5	54.8	3.7	1592	3	US-08-545-196B-12
6	54.4	3.6	3138	1	US-07-867-106-4
7	53.4	3.6	3720	4	US-09-342-681C-12
8	53	3.5	2007	3	US-08-747-221B-36
9	53	3.5	2007	3	US-08-747-221B-38
10	53	3.5	2007	4	US-09-005-051-36
11	53	3.5	2007	4	US-09-005-051-38
12	52.8	3.5	5173	1	US-08-242-677-1
13	52.6	3.5	1420	2	US-08-909-965C-3
14	52.6	3.5	3238	4	US-08-123-934A-5
15	52.6	3.5	3238	5	PCT-US94-10080-5
16	52.4	3.5	3581	4	US-08-738-349-1
17	52	3.5	3709	4	US-09-541-782-7
18	52	3.5	3709	4	US-09-723-820-7
19	51.8	3.5	3437	3	US-08-860-339-17
20	51.6	3.4	1641	1	US-08-300-903A-8
21	51.2	3.4	991	3	US-08-524-747-25
22	51.2	3.4	991	4	US-09-247-373B-25
23	51.2	3.4	991	4	US-09-296-715-25
24	51.2	3.4	1776	3	US-08-655-352-10
25	51.2	3.4	1776	4	US-09-258-016-10
26	51.2	3.4	1776	4	US-09-257-825B-10
27	50.6	3.4	19124	2	US-08-487-826B-13

28	50.4	3.4	1307	4	US-09-250-609-3	Sequence 3, Appli
29	50.4	3.4	1781	4	US-09-499-302A-1	Sequence 1, Appli
30	50.2	3.4	3927	4	US-09-293-238B-1	Sequence 1, Appli
31	50.2	3.4	3933	1	US-08-199-776-1	Sequence 1, Appli
32	50.2	3.4	3933	3	US-08-663-731-1	Sequence 1, Appli
33	50.2	3.4	3933	3	US-08-879-338-1	Sequence 1, Appli
34	50.2	3.4	3933	5	PCT-US95-02044-1	Sequence 1, Appli
35	50	3.3	1046	1	US-08-361-467B-4	Sequence 4, Appli
36	50	3.3	1046	1	US-08-484-332C-4	Sequence 4, Appli
37	50	3.3	1466	4	US-08-984-919A-10	Sequence 10, Appli
38	50	3.3	1466	4	US-08-984-919A-12	Sequence 12, Appli
39	50	3.3	1472	4	US-08-781-420-10	Sequence 10, Appli
40	50	3.3	1472	4	US-08-781-420-12	Sequence 12, Appli
41	50	3.3	1472	4	US-08-874-102-10	Sequence 10, Appli
42	50	3.3	1472	4	US-08-874-102-12	Sequence 12, Appli
43	50	3.3	1472	4	US-09-006-595A-10	Sequence 10, Appli
44	50	3.3	1472	4	US-09-006-595A-12	Sequence 12, Appli
45	50	3.3	1875	4	US-08-984-919A-46	Sequence 46, Appli

ALIGNMENTS

RESULT 1

US-09-286-529-8
; Sequence 8, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286, 529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 893
; TYPE: DNA
; ORGANISM: human
US-09-286-529-8

Query Match	29.9%	Score	447.2	DB	4	Length	893
Best Local Similarity	81.6%	Pred. No.	2.2e-97				
Matches	529	Conservative	0	Mismatches	118	Indels	1
Gaps	1						
Qy	22	AATAAATACATTGATAAGAAAGATGGCTTTAAAGATGCTACTAGAACAGAGAAACGT	81				
Db	32	AATAAACAGTTTGTGTGAGCCATGGCACTCAAGGTCTTACTCTACACAGACGGTGC	91				
Qy	82	TTTTCACTCTTTTAGTATTACTAGGCTATTGTTCATGTAAAGTACTTGTGAAACAGGAG	141				
Db	92	TCTTCGCTGCCATTCTCTTCTTACTCCACCTGGCATGTAAAGTGAAGTTCGGAACCGGAG	151				
Qy	142	ACTGTAGACAGCAAGAAATTCAGGATCGGTCTGGAACTGTGTTCCCTCGAACCACTGTG	201				
Db	152	ATTGAGGACGACGAGGAATTCAGGATCGATCTGGAACATGTGTCCTCTGCAACACATGGC	211				
Qy	202	GCCACAGGATGAGTGTCTAAGGAATGTGGCTTCGGCTATGGGAGGATGCACAGTGTG	261				
Db	212	GACCTGGCATGAGTGTTCGAAGGAATGTGGCTTCGGCTATGGGAGGATGCACAGTGTG	271				
Qy	262	TGACGTGCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCAGAAATGCAGAACCCCTGTC	321				
Db	272	TGCCCTGCAGGCCGACCGGTTCAAGGAAGACTGGGGTTTCAGAAAGTGTAAAGCCATGTG	331				
Qy	322	TGACGTGCGCAGTGTGTAACCGCTTTTCAAGAGCAATTTTCAGCCACCACTGATGCCA	381				
Db	332	CGGACTGTGCGTGTGTAACCGCTTTTCAAGAGGCGCAACTGTCTCACACACCACTGATGTCG	391				
Qy	382	TCTCGCGGAGCTGCTGTCAGGATTTTATAGGAAGACGAAACTGTGCGCTTTTCAAGACA	441				
Db	392	TCTGCGGAGCTGCTGTCAGGATTTTATAGGAAGACGAAACTGTGCGCTTTTCAAGACA	451				

1880 AAAA 1883
|||

RESULT 4
 US-08-545-196B-10
 ; Sequence 10, Application US/08545196B
 ; Patent No. 6080577
 ; GENERAL INFORMATION:
 ; APPLICANT: MELKI, JUDITH
 ; APPLICANT: MUNNICH, ARNOLD
 ; TITLE OF INVENTION: SURVIVAL MOTOR NEURON (SMN) GENE: A GENE
 ; TITLE OF INVENTION: FOR SPINAL MUSCULAR ATROPHY
 ; NUMBER OF SEQUENCES: 65
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH, LLP
 ; STREET: PO BOX 747
 ; CITY: FALLS CHURCH
 ; STATE: VA
 ; COUNTRY: USA
 ; ZIP: 22040-0747
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/545,196B
 ; FILING DATE: 19-OCT-1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: FARACI, C. J.
 ; REGISTRATION NUMBER: 32,350
 ; REFERENCE/DOCKET NUMBER: 2121-110P
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (703) 205-8000
 ; TELEFAX: (703) 205-8050
 ; INFORMATION FOR SEQ ID NO: 10:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1582 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cdna
 US-08-545-196B-10

REGISTRATION NUMBER: 35,134
REFERENCE/DOCKET NUMBER: RICE-0002
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 3138 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
US-07-867-106-4

Query Match
Best Local Similarity 3.6%; Score 54.4; DB 1; Length 3138;
Matches 85; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

QY 1361 AGATTGGGGGACCTGAGTGTCTTTTTCGCACTTTTAATAATTTCTGTATGTTG 1420
DB 2087 AATGTATGTGGAAATTCATTTTATTTTATTTTAAATTTAATTTTATTTTAAAGAA 2028
QY 1421 TAGAGTATGTTTAAATTAATTTCAAGTATTTTAAAACTAAAAA 1480
DB 2027 TAAGAAAAA 1968
QY 1481 AAAAAAAAAAAAAA 1496
DB 1967 AAAAAAAAAAAAAA 1952

RESULT 7
US-09-342-681C-12
Sequence 12, Application US/09342681C
Patent No. 6355782
GENERAL INFORMATION:
APPLICANT: Zonana et al.
TITLE OF INVENTION: Hypohydrotic ectodermal dysplasia genes and proteins
FILE REFERENCE: 52978
CURRENT APPLICATION NUMBER: US/09/342,681C
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: 60/092,279
PRIOR FILING DATE: 1998-07-09
PRIOR APPLICATION NUMBER: 60/112,366
PRIOR FILING DATE: 1998-12-15
NUMBER OF SEQ ID NOS: 123
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 12
LENGTH: 3720
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (260)..(1606)
NAME/KEY: misc feature
LOCATION: (2961)..(3673)
OTHER INFORMATION: n represents a, c, t, or g
US-09-342-681C-12

Query Match
Best Local Similarity 3.6%; Score 53.4; DB 4; Length 3720;
Matches 78; Conservative 0; Mismatches 42; Indels 0; Gaps 0;

QY 1377 TGATGAGTGTCTTTTTCGCACTTTTAATAATTTCTGTATGTTAGAGTATGTTTAA 1436
DB 3592 TGAAGTTTAAATGCGAATTTTATATATTTTGTGTAATTTATTTATTTAT 3651
QY 1437 ATAATTTCAAGTATTTTAAAAA 1496
DB 3652 AAGCTCAATAACATATTGATNAAGGGA 3711

RESULT 8
US-08-747-221B-36
Sequence 36, Application US/08747221B
Patent No. 6063610
GENERAL INFORMATION:
APPLICANT: Silver, Gary W.
APPLICANT: Wisniewski, Nancy
TITLE OF INVENTION: No. 6063610el Carboxylesterase Nucleic Acid
TITLE OF INVENTION: Molecules, Proteins and Uses Thereof
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carol Talkington Verser, Ph.D.
ADDRESSEE: Heska Corporation
STREET: 1825 Sharp Point Drive
CITY: Fort Collins
STATE: Colorado
COUNTRY: USA
ZIP: 80525
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: WordPerfect for Windows, Version 7.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/747,221B
FILING DATE: No. 6063610ember 12, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Verser, Carol Talkington
REGISTRATION NUMBER: 37,459
REFERENCE/DOCKET NUMBER: FC-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 970/493-7272
TELEFAX: 970/484-9505
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 2007 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 11..1594
US-08-747-221B-36

Query Match
Best Local Similarity 3.5%; Score 53; DB 3; Length 2007;
Matches 74; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

QY 1384 TTTTCTTTTTCATCTTTAAATTTCTGTATGTTGTAGAGTATGTTTAAAAATAAAT 1443
DB 1899 TTATTACCATCTTGTATCATATTTGCTTTATTTTTCATTTTTCATTTTTCATAATA 1958
QY 1444 TCAAGTATTTTAAAAA 1492
DB 1959 TATTCTTTTATATAAAAAA 2007

RESULT 9
US-08-747-221B-38/c
Sequence 38, Application US/08747221B
Patent No. 6063610
GENERAL INFORMATION:
APPLICANT: Silver, Gary W.
APPLICANT: Wisniewski, Nancy
TITLE OF INVENTION: No. 6063610el Carboxylesterase Nucleic Acid
TITLE OF INVENTION: Molecules, Proteins and Uses Thereof
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carol Talkington Verser, Ph.D.
ADDRESSEE: Heska Corporation
STREET: 1825 Sharp Point Drive

```

; CITY: Fort Collins
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80525
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WordPerfect for Windows, Version 7.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/747,221B
; FILING DATE: No. 606310ember 12, 1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Verser, Carol Talkington
; REGISTRATION NUMBER: 37,459
; REFERENCE/DOCKET NUMBER: FC-1
; TELEPHONE: 970/493-7272
; TELEFAX: 970/484-9505
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2007 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-747-221B-38

Query Match 3.5%; Score 53; DB 3; Length 2007;
Best Local Similarity 67.9%; Pred. No. 0.0016;
Matches 74; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

QY 1384 TTTTTCATCTTTTAAATTTCTGTATGTTAGAGTATGTTTAAATAAAATT 1443
Db 109 TTATTACCATCTTTGATCATATTTGCTTTTATTTTCATTTTTCATTTTTCATAA 50
QY 1444 TCAAGTATTTTAAAACTAAAAAATAAAAAAAAAAAAAAAAAAAAAA 1492
Db 49 TATTGTTTTTATATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1

RESULT 10
US-09-005-051-36
; Sequence 36, Application US/09005051
; Patent No. 6291222
; GENERAL INFORMATION:
; APPLICANT: Silver, Gary W.
; APPLICANT: Wisniewski, Nancy
; TITLE OF INVENTION: No. 6291222el Carboxylesterase Nucleic Acid
; TITLE OF INVENTION: Molecules, Proteins and Uses Thereof
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carol Talkington Verser, Ph.D.
; ADDRESSEE: Heska Corporation
; STREET: 1825 Sharp Point Drive
; CITY: Fort Collins
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80525
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WordPerfect for Windows, Version 7.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/005,051
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/747,221
; FILING DATE: No. 6291222ember 12, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Verser, Carol Talkington
; REGISTRATION NUMBER: 37,459
; REFERENCE/DOCKET NUMBER: FC-1
; TELEPHONE: 970/493-7272
; TELEFAX: 970/484-9505
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2007 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-747-221B-38

; CITY: Fort Collins
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80525
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WordPerfect for Windows, Version 7.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/005,051
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/747,221
; FILING DATE: No. 6291222ember 12, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Verser, Carol Talkington
; REGISTRATION NUMBER: 37,459
; REFERENCE/DOCKET NUMBER: FC-1
; TELEPHONE: 970/493-7272
; TELEFAX: 970/484-9505
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2007 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-005-051-36

Query Match 3.5%; Score 53; DB 4; Length 2007;
Best Local Similarity 67.9%; Pred. No. 0.0018;
Matches 74; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

QY 1384 TTTTTCATCTTTTAAATTTCTGTATGTTAGAGTATGTTTAAATAAAATT 1443
Db 1899 TTATTACCATCTTTGATCATATTTGCTTTTATTTTCATTTTTCATTTTTCATAA 1958
QY 1444 TCAAGTATTTTAAAACTAAAAAATAAAAAAAAAAAAAAAAAAAAAA 1492
Db 1959 TATTGTTTTTATATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2007

RESULT 11
US-09-005-051-38/c
; Sequence 38, Application US/09005051
; Patent No. 6291222
; GENERAL INFORMATION:
; APPLICANT: Silver, Gary W.
; APPLICANT: Wisniewski, Nancy
; TITLE OF INVENTION: No. 6291222el Carboxylesterase Nucleic Acid
; TITLE OF INVENTION: Molecules, Proteins and Uses Thereof
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carol Talkington Verser, Ph.D.
; ADDRESSEE: Heska Corporation
; STREET: 1825 Sharp Point Drive
; CITY: Fort Collins
; STATE: Colorado
; COUNTRY: USA
; ZIP: 80525
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WordPerfect for Windows, Version 7.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/005,051
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/747,221
; FILING DATE: No. 6291222ember 12, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Verser, Carol Talkington
; REGISTRATION NUMBER: 37,459
; REFERENCE/DOCKET NUMBER: FC-1
; TELEPHONE: 970/493-7272
; TELEFAX: 970/484-9505
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2007 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-005-051-36
```


TOPOLGY: linear
MOLECULE TYPE: cdna
US-09-005-051-38

Query Match 3.5%; Score 53; DB 4; Length 2007;

Best Local Similarity 67.9%; Pred. No. 0.0016; Mismatches 35; Indels 0; Gaps 0;

Matches 74; Conservative 0; Patent No. 5936078

QY 1384 TTTTTCATCTTTTAAATATTTCTTGTATGTTAGAGTATGTTTTTAAATAAATTT 1443

DB 109 TTATTACCATCTTTGATCATATATGCTTTTATTTTTCATTTTTCATTTTTCATAA 50

QY 1444 TCAAGTATTTTAAAAAATCTAAAAAATAAAAAAATAAAAAAATAAAAAA 1492

DB 49 TATTGTTTTTATATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAA 1

RESULT 12

US-08-242-677-1

Sequence 1, Application US/08242677

Patent No. 5677143

GENERAL INFORMATION:

APPLICANT: Gaynor, Richard B

APPLICANT: Wu, Poon W.

TITLE OF INVENTION: Cellular Nucleic Acid Binding Protein

TITLE OF INVENTION: and Uses Thereof in regulating Gene Expression and in the

TITLE OF INVENTION: Treatment of AIDS

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Arnold, White & Durkee

STREET: P.O. Box 4433

CITY: Houston

STATE: TX

COUNTRY: USA

ZIP: 77210

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/242,677

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Mayfield, Denise L.

REGISTRATION NUMBER: 33,732

REFERENCE/DOCKET NUMBER: UTSD:401

TELEPHONE: 713-787-1400

TELEFAX: 713-789-2679

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 5173 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cdna

FEATURE:

NAME/KEY: CDS

LOCATION: 1..4863

US-08-242-677-1

Query Match

Best Local Similarity 67.0%; Score 52.8; DB 1; Length 5173;

Matches 75; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

QY 1385 TTTTTCATCTTTTAAATATTTCTTGTATGTTAGAGTATGTTTTTAAATAAATTT 1444

DB 5028 TATTTCCCTTTTAAATAACACATTTTGTGTAATTTGTTCTTCTTAAATAAATTT 5087

QY 1445 CAGTATTTTAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAA 1496

DB 5088 TAAGCAATTGTCATATAAAAAAATAAAAAAATAAAAAAATAAAAAA 5139

RESULT 13

US-08-909-965C-3

Sequence 3, Application US/08909965C

Patent No. 5936078

GENERAL INFORMATION:

APPLICANT: Kuga Tetsuo

APPLICANT: Nakagawa Satoshi

APPLICANT: Sakaki Yoshiyuki

APPLICANT: Zhao Nanding

APPLICANT: Hashida Hideji

TITLE OF INVENTION: NOVEL DNA, NOVEL POLYPEPTIDE

TITLE OF INVENTION: AND NOVEL ANTIBODY

NUMBER OF SEQUENCES: 17

CORRESPONDENCE ADDRESS:

ADDRESSEE: FITZPATRICK, CELLA, HARPER AND SCINTO

STREET: 277 Park Avenue

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10172-0194

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/909,965C

FILING DATE: August 12, 1997

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 322745/95

APPLICATION NUMBER: PCT/JP96/03630

FILING DATE: 12-Dec-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lawrence S. Perry

REGISTRATION NUMBER: 31865

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-758-2400

TELEFAX: 212-758-2982

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 1420 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cdna to mRNA

ORIGINAL SOURCE:

ORGANISM: human

IMMEDIATE SOURCE:

CLONE: F198

FEATURE:

NAME/KEY: CDS

LOCATION: 378 to 575

LOCATION: 590 to 709

LOCATION: 1105 to 1206

IDENTIFICATION METHOD: by experiment

US-08-909-965C-3

Query Match

Best Local Similarity 66.1%; Score 52.6; DB 2; Length 1420;

Matches 76; Conservative 0; Mismatches 39; Indels 0; Gaps 0;

QY 1382 AGTTTTTTTTCATCTTTTAAATATTTCTTGTATGTTAGAGTATGTTTTTAAATAA 1441

DB 1302 AGTATTTTGGTTGGCTTTTGTGATTTTCTACACAGAAGATTATGTCATCTACAA 1361

QY 1442 TTTCAGTATTTTAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAA 1496

Db 1362 TATAATTTTACTTCTTAAAAA-1416

RESULT 14

US-08-123-934A-5
; Sequence 5, Application US/08123934A
; Patent No. 6291206
; GENERAL INFORMATION:
; APPLICANT: WOZNEY, John
; APPLICANT: CELESTE, Anthony J.
; APPLICANT: THIES, R. Scott
; APPLICANT: YAMAJI, No. 6291206oru
; TITLE OF INVENTION: RECEPTOR PROTEINS
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute Inc.- Legal Affairs
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/123,934A
; FILING DATE: 17-SEP-1993
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: LAZAR, Steven R
; REGISTRATION NUMBER: 32,618
; REFERENCE/DOCKET NUMBER: 5203
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 876 1170
; TELEFAX: 617 876 5851
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3238 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: CFK1-10a
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 474..2000
; PCT-US94-10080-5

Query Match 3.5%; Score 52.6; DB 4; Length 3238;
Best Local Similarity 68.2%; Pred. No. 0.0027;
Matches 73; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

Qy 1390 TTTTGCATCTTTAAATTTCTGTATGTTGTAGAGTATGTTTAAATTTCAAGT 1449
Db 3091 TATTTTGTGTTTAACTACTTTTGTATTTAGTAGTATTTGTATAAATAAACTGT 3150
Qy 1450 ATTTTAAAACTAAAAA-1496
Db 3151 TTTCAGTCAAAAAA-3197

RESULT 15

PCT-US94-10080-5
; Sequence 5, Application PC/TUS9410080
; GENERAL INFORMATION:
; APPLICANT: GENETICS INSTITUTE, INC.
; TITLE OF INVENTION: RECEPTOR PROTEINS
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute Inc.- Legal Affairs

; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/10080
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/123,934
; FILING DATE: 17-SEP-1993
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: LAZAR, Steven R
; REGISTRATION NUMBER: 32,618
; REFERENCE/DOCKET NUMBER: 5203-PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8260
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3238 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: CFK1-10a
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 474..2000
; PCT-US94-10080-5

Query Match 3.5%; Score 52.6; DB 5; Length 3238;
Best Local Similarity 68.2%; Pred. No. 0.0027;
Matches 73; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

Qy 1390 TTTTGCATCTTTAAATTTCTGTATGTTGTAGAGTATGTTTAAATTTCAAGT 1449
Db 3091 TATTTTGTGTTTAACTACTTTTGTATTTAGTAGTATTTGTATAAATAAACTGT 3150
Qy 1450 ATTTTAAAACTAAAAA-1496
Db 3151 TTTCAGTCAAAAAA-3197

Search completed: June 22, 2003, 21:32:51
Job time: 74.9231 secs

121 AAGTGAATCTGTGAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAACCT 180
127 AAGTGAATCTGTGAACAGGAGACTGTAGACAGCAAGAAATTCAGGGATCGGTCTGGAACCT 186
181 GTGTTCCCTGCAACCAAGTGTGGGCCAGGCATGAGTTGCTAAGGAATGTGGCTTCGGCT 240
187 GTGTTCCCTGCAACCAAGTGTGGGCCAGGCATGAGTTGCTAAGGAATGTGGCTTCGGCT 246
241 ATGGGAGGAGTGCACAGTGTGTGACGTGCGCGCTGCACAGTTCAAGGAGGACTGGGGCT 300
247 ATGGGAGGAGTGCACAGTGTGTGACGTGCGCGCTGCACAGTTCAAGGAGGACTGGGGCT 306
301 TCCAGAAATCAAGCCCTGTCTGGACTGCGCAGTGTGAACCGCTTTTCAGAGGCAAAAT 360
307 TCCAGAAATCAAGCCCTGTCTGGACTGCGCAGTGTGAACCGCTTTTCAGAGGCAAAAT 366
361 GTTCAGCCACAGTATGCCATCTGGGGGACTGCTTGCAGGATTTTATAGGAACGA 420
367 GTTCAGCCACAGTATGCCATCTGGGGGACTGCTTGCAGGATTTTATAGGAACGA 426
421 AACTTGTGCGGCTTTCAAGACATGGAGTGTGTGCTTGTGGAGACCTCTCTCTCTTACG 480
427 AACTTGTGCGGCTTTCAAGACATGGAGTGTGTGCTTGTGGAGACCTCTCTCTCTTACG 486
481 AACCGCACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGGTCCACGGCTCCAGCCAC 540
487 AACCGCACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGGTCCACGGCTCCAGCCAC 546
541 GGGACAGGCGCTGGCTGCGCTTATCTGACGCTCTGGCCACCGCTCTGCTGGCCCTGC 600
547 GGGACAGGCGCTGGCTGCGCTTATCTGACGCTCTGGCCACCGCTCTGCTGGCCCTGC 606
601 TCATCTCTGTGTCACTATTGTGAAGACAGTATTATGGAAGAAACCCAGCTGTCTC 660
607 TCATCTCTGTGTCACTATTGTGAAGACAGTATTATGGAAGAAACCCAGCTGTCTC 666
661 TGGCGTCAAGGACATTCAGTACAAAGCTCTCAGCTGTCTGTGTGACAGACCTCAGC 720
667 TGGCGTCAAGGACATTCAGTACAAAGCTCTCAGCTGTCTGTGTGACAGACCTCAGC 726
721 TCCACGATATGCCACAGACCTGTGCGAGTGTGCGCGCTGACTCAGTGCAGACCTGG 780
727 TCCACGATATGCCACAGACCTGTGCGAGTGTGCGCGCTGACTCAGTGCAGACCTGG 786
781 GGCCTGTGCTGTGCTCCCATCCATGCTGTGAGGAGGCTCTGAGGCGCCCAACCCGCGA 840
787 GGCCTGTGCTGTGCTCCCATCCATGCTGTGAGGAGGCTCTGAGGCGCCCAACCCGCGA 846
841 CTCTTGGTTGTGGGTGCAATTCAGCCAGTCTTCAGGCAAGAAACGACGCGCCAGCCG 900
847 CTCTTGGTTGTGGGTGCAATTCAGCCAGTCTTCAGGCAAGAAACGACGCGCCAGCCG 906
901 GGGAGTGTGCGGACTTTCTTGGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAG 960
907 GGGAGTGTGCGGACTTTCTTGGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAG 966
961 ATGCTTGGCTCTGATGACGAATCCCATGGGTGGTGAACAATCTCTTTTGTGACTCTT 1020
967 ATGCTTGGCTCTGATGACGAATCCCATGGGTGGTGAACAATCTCTTTTGTGACTCTT 1026
1021 ATCTGAATCTACTGGGAAGACATTCATCTCTCAATCAGAACTTGAAGCTCAACGT 1080
1027 ATCTGAATCTACTGGGAAGACATTCATCTCTCAATCAGAACTTGAAGCTCAACGT 1086
1081 CTTTGGATTTCAATAGCAGTCAAGATTTGGTGGGCTGTTCAGTCCAGTCTCAAT 1140
1087 CTTTGGATTTCAATAGCAGTCAAGATTTGGTGGGCTGTTCAGTCCAGTCTCAAT 1146
1141 CTGAATACTTACAGCAGTACTGATTTATCTAGATATAACAACACTGGTGAATTCAG 1200
1147 CTGAATACTTACAGCAGTACTGATTTATCTAGATATAACAACACTGGTGAATTCAG 1206

1201 CATCAACTCAGGATCAGTACTATGAGAGCCAGCTAGATCAGAGAGTGGCGCTATCA 1260
1207 CATCAACTCAGGATCAGTACTATGAGAGCCAGCTAGATCAGAGAGTGGCGCTATCA 1266
1261 TCCACCCAGGCACTCAGACGTCCTCCAGGTAAGGACGAGCTGGTTCCTGTGAACAC 1320
1267 TCCACCCAGGCACTCAGACGTCCTCCAGGTAAGGACGAGCTGGTTCCTGTGAACAC 1326
1321 AGCACTGACTTACAGTAGATCAGAACTCTGTTCCAGCATAGATTTGGGGAACTGAT 1380
1327 AGCACTGACTTACAGTAGATCAGAACTCTGTTCCAGCATAGATTTGGGGAACTGAT 1386
1381 GAGTTTTTTTTTGGCATCTTTAAATTTCTTGTATGTTGTAGATATGTTTAAATAA 1440
1387 GAGTTTTTTTTTGGCATCTTTAAATTTCTTGTATGTTGTAGATATGTTTAAATAA 1446
1441 ATTCAAGTATTTTTTTTAAAACTTAAAAAATAAAAAAAAAAAAAAAAAAAAAA 1496
1447 ATTCAAGTATTTTTTTTAAAACTTAAAAAATAAAAAAAAAAAAAAAAAAAAAA 1502

RESULT 2

US-09-780-532-3
; Sequence 3, Application US/09780532
; Patent No. US2002008696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNM-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1325
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1269)
US-09-780-532-3

Query Match 88.5%; Score 1323.4; DB 10; Length 1325;

Best Local Similarity 99.9%; Pred.No. 0;
Matches 1324; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

45 ATGGCTTTTAAAGTGTCTACTAGAACAGAGAAAGCTTTTTCACCTCTTTTAGTATTACTA 104
1 ATGGCTTTTAAAGTGTCTACTAGAACAGAGAAAGCTTTTTCACCTCTTTTAGTATTACTA 60
105 GGCATTTTGTCTATGTAAGTGTCTGTGAACAGGAGACTGTGTAGACAGCAAGAAATTCAGG 164
61 GGCATTTTGTCTATGTAAGTGTCTGTGAACAGGAGACTGTGTAGACAGCAAGAAATTCAGG 120
165 GATCGTCTGGAACACTGTGTTCCCTGCAACAGTGTGGCCAGGATGGAGTTGTCTAAG 224
121 GATCGTCTGGAACACTGTGTTCCCTGCAACAGTGTGGCCAGGATGGAGTTGTCTAAG 180
225 GAATGTGGCTTCGGCTATGCGGAGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTTC 284
181 GAATGTGGCTTCGGCTATGCGGAGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTTC 240
285 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTGTGTGAGACTGCGCAGTGTGGAACCCG 344
241 AAGGAGGACTGGGGCTTCAGAAATGCAAGCCCTGTGTGAGACTGCGCAGTGTGGAACCCG 300
345 TTTCAGAGGCAAAATTTGTTTCAGCCACAGTGTATGCCACTCTGCGGGGACTGCTTGCAGGA 404

Db 301 TTTTCAAGAGCAAAATTTTTCAGCCACAGTGTGCTGCGGAGCTGCTTGCAGGA 360
Qy 405 TTTTATAGGACAGCAAACTTTCGCGCTTTCAAGACATGAGTGTGCTTGTGAGAC 464
Db 361 TTTTATAGGACAGCAAACTTTCGCGCTTTCAAGACATGAGTGTGCTTGTGAGAC 420
Qy 465 CTTCTCTCTCTCTTACGAACCGCACTGTGCGGCTTCAAGAGTCAACCTCGTGAAGATCGCGTCC 524
Db 421 CTTCTCTCTCTCTTACGAACCGCACTGTGCGGCTTCAAGAGTCAACCTCGTGAAGATCGCGTCC 480
Qy 525 AGCGCTTCAGGCCACGAGGACAGCGGCTGTGCTGCGTGTATCTGAGCGCTCTGCGCAC 584
Db 481 AGCGCTTCAGGCCACGAGGACAGCGGCTGTGCTGCGTGTATCTGAGCGCTCTGCGCAC 540
Qy 585 GTCTGTGCGGCTCTCATCTCTGTGTCTATTTGTAAGACAGCTTTATGAGAG 644
Db 541 GTCTGTGCGGCTCTCATCTCTGTGTCTATTTGTAAGACAGCTTTATGAGAG 600
Qy 645 AAACCCAGCTGTCTCTGCGGCTCACAGGACATTCAGTCAACCGCTCTGAGCTGTGCTGT 704
Db 601 AAACCCAGCTGTCTCTGCGGCTCACAGGACATTCAGTCAACCGCTCTGAGCTGTGCTGT 660
Qy 705 CTTGACAGACCTCAGCTCCAGAAATATGCCACAGAGCTGTGCCAGTGCCTGCGTGC 764
Db 661 CTTGACAGACCTCAGCTCCAGAAATATGCCACAGAGCTGTGCCAGTGCCTGCGTGC 720
Qy 765 TCAGTGCAGACCTGCGGCGGCTGTGCTGCTCCATCATCTGTGCTGAGGAGCGCTGC 824
Db 721 TCAGTGCAGACCTGCGGCGGCTGTGCTGCTCCATCATCTGTGCTGAGGAGCGCTGC 780
Qy 825 AGCCCCAAACCGCGGCTCTGCTGTGCGGCTGCAATTTGCGAGCAGCTCTCAGGCAAGA 884
Db 781 AGCCCCAAACCGCGGCTCTGCTGTGCGGCTGCAATTTGCGAGCAGCTCTCAGGCAAGA 840
Qy 885 AACGAGGCGGAGGAGATGCTGCGGCTCTTCTGCGATCCCTCAGCAGTCCATC 944
Db 841 AACGAGGCGGAGGAGATGCTGCGGCTCTTCTGCGATCCCTCAGCAGTCCATC 900
Qy 945 TGTGGGAGCTTTTTCAGATGCTGCGGCTCTGATGCAAAATCCATGCTGCTGCAACATC 1004
Db 901 TGTGGGAGCTTTTTCAGATGCTGCGGCTCTGATGCAAAATCCATGCTGCTGCAACATC 960
Qy 1005 TCTTTTGTGACTCTTATCTGAATCTCACTGAGAGAGCAATTCATCTCTCAATCCAGAA 1064
Db 961 TCTTTTGTGACTCTTATCTGAATCTCGTGGAGAGCAATTCATCTCTCAATCCAGAA 1020
Qy 1065 CTTGAAAGCTCAACGCTTTTGGATTTCAATAGCAGTCAAGATTTGGTTGCGGCTGTT 1124
Db 1021 CTTGAAAGCTCAACGCTTTTGGATTTCAATAGCAGTCAAGATTTGGTTGCGGCTGTT 1080
Qy 1125 CCAGTCCAGTCTCATTTCTGAAATCTTACAGCAGTCTGATTTATCTAGATATAACAAC 1184
Db 1081 CCAGTCCAGTCTCATTTCTGAAATCTTACAGCAGTCTGATTTATCTAGATATAACAAC 1140
Qy 1185 ACACTGGTGAATCAGCATCACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG 1244
Db 1141 ACACTGGTGAATCAGCATCACTCAGGATGCACTAACTATGAGAGCCAGCTAGATCAG 1200
Qy 1245 GAGAGTGGGCTATCATCAACCCAGCCTCAGACGCTCCCTCCAGTAAAGGAGCGACTG 1304
Db 1201 GAGAGTGGGCTATCATCAACCCAGCCTCAGACGCTCCCTCCAGTAAAGGAGCGACTG 1260
Qy 1305 GGTTCCTGTGAACAGACAGCTGACTTACAGTATGATCAGAACTCTGTTCCAGCATAGA 1364
Db 1261 GGTTCCTGTGAACAGACAGCTGACTTACAGTATGATCAGAACTCTGTTCCAGCATAGA 1320
Qy 1365 TTTGG 1369
Db 1321 TTTGG 1325

US-10-174-590-473
; Sequence 473, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-174-590-473
Query Match 85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. No. 3e-306; Mismatches 6; Indels 0; Gaps 0;
Matches 1280; Conservative 0;
Qy 7 GTAGAACTCTCCAAACAATAAATACATTTGATAAGAAAGATGCTTTAAAGTGTACTAG 66
Db 147 GAAGAACTCTCCAAACAATAAATACATTTGATAAGAAAGATGCTTTAAAGTGTACTAG 206
Qy 67 AACAGAGAAACGTTTTTCTCTTTTAGTATTAATAGTATTTGTCATGTAAGTGA 126
Db 207 AACAGAGAAACGTTTTTCTCTTTTAGTATTAATAGTATTTGTCATGTAAGTGA 266
Qy 127 CTTGTGAAACAGGAGACTGTAGACAGCAAGAAATTCAGAGATCGGTCTGAAATCTGTTC 186
Db 267 CTTGTGAAATCAGGAGACTGTAGACAGCAAGAAATTCAGAGATCGGTCTGAAATCTGTTC 326
Qy 187 CTTGCAACACAGTGTGGCCAGCATGAGTTGTCTTAAGAAATGTGGCTTCGCTATGGG 246
Db 327 CTTGCAACACAGTGTGGCCAGCATGAGTTGTCTTAAGAAATGTGGCTTCGCTATGGG 386
Qy 247 AGGATGCACAGTGTGTGACGCTGCCGCTGCACAGTTCAAGAGGACTGGGGCTTCCAGA 306
Db 387 AGGATGCACAGTGTGTGACGCTGCCGCTGCACAGTTCAAGAGGACTGGGGCTTCCAGA 446
Qy 307 AATGCAAGCCCTGTCTGGACTGCGCAGTGGTGAACCGCTTTCAGAGGCAAAATTTTCAG 366
Db 447 AATGCAAGCCCTGTCTGGACTGCGCAGTGGTGAACCGCTTTCAGAGGCAAAATTTTCAG 506
Qy 367 CCACAGGATGATGCCATCTCGGGGACTGCTTGCAGGATTTTATAGGAGACGAAACTTG 426
Db 507 CCACAGGATGATGCCATCTCGGGGACTGCTTGCAGGATTTTATAGGAGACGAAACTTG 566
Qy 427 TCGGCTTTCAAGACATGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAAACCCG 486
Db 567 TCGGCTTTCAAGACATGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAAACCCG 626
Qy 487 ACTGTGCGAGCAAGTCAACCTCGTGAAGATCGGTTCACGGCTTCCAGCCACCGGACA 546
Db 627 ACTGTGCGAGCAAGTCAACCTCGTGAAGATCGGTTCACGGCTTCCAGCCACCGGACA 586
Qy 547 CGGCGCTGCGCTGCTTATCTGAGCGCTCTGCGCAACCGTCTGCTGGCCCTCTCATCC 606
Db 687 CGGCGCTGCGCTGCTTATCTGAGCGCTCTGCGCAACCGTCTGCTGGCCCTCTCATCC 746
Qy 607 TCTGTGTCTATCTATTGTGAAGACAGTTTATGAGAGAAACCCAGCTGCTCTCTCGGT 666

Db 1107 GGCCTCTGATGAGAAATCCATGGGTGGTGACAAATCTCTTTTGTGACTCTTATCTGT 1166
Qy 1027 AACTCACTGGAGAGACATTCATCTCTCAATCCAGAACTTGAAGCTCAACGCTCTTTGG 1086
Db 1167 AACTCACTGGAGAGACATTCATCTCTCAATCCAGAACTTGAAGCTCAACGCTCTTTGG 1226
Qy 1087 ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATTTCTGAAA 1146
Db 1227 ATTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATTTCTGAAA 1286
Qy 1147 ACTTTACAGCAGTACTGATTTATCTAGATATATAACAACACTGGTAGAATCAGATCAA 1206
Db 1287 ACTTTACAGCAGTACTGATTTATCTAGATATATAACAACACTGGTAGAATCAGATCAA 1346
Qy 1207 CTCAGGATCACTAACTATGAGAGCCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC 1266
Db 1347 CTCAGGATCACTAACTATGAGAGCCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC 1406
Qy 1267 CAGCCACTCAGAGCTCCCTCCAGGTA 1292
Db 1407 CAGCCACTCAGAGCTCCCTCCAGGAA 1432

RESULT 5

US-10-175-737-473
; Sequence 473, Application US/10175737
; Publication No. US20030013153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Fan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC50
; CURRENT APPLICATION NUMBER: US/10/175,737
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-737-473

Query Match 85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. No. 3e-306;
Matches 1280; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
Qy 7 GTAGAACTCTCCAAATAAATACATTTGATAGAAAGATGGCTTTAAAGTGTACTAG 66
Db 147 GAAGAATCTCCAAATAAATACATTTGATAGAAAGATGGCTTTAAAGTGTACTAG 206
Qy 67 AACAGAGAAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTTGTCTGTAAGTGA 126
Db 207 AACAGAGAAAACGTTTTTCACTCTTTTAGTATTACTAGGCTATTTGTCTGTAAGTGA 266
Qy 127 CTTGTGAAACAGAGACTGTAGACAGCAAGATTCAGGATCGGTCTGGAACCTGTGTTTC 186
Db 267 CTTGTGAAACAGAGACTGTAGACAGCAAGATTCAGGATCGGTCTGGAACCTGTGTTTC 326
Qy 187 CCTGCAACCACTGTGGGCGCAGGATCGAGTTGCTAAGGAATGTGGCTTCGGCTATGGG 246
Db 327 CCTGCAACCACTGTGGGCGCAGGATCGAGTTGCTAAGGAATGTGGCTTCGGCTATGGG 386

Qy 247 AGGATGCACAGTGTGTGACGTGCCGGGTGCAAGTTCAGAGAGACTGGGGCTTCCAGA 306
Db 387 AGGATGCACAGTGTGTGACGTGCCGGGTGCAAGTTCAGAGAGACTGGGGCTTCCAGA 446
Qy 307 AATGCAAGCCCTGTCTGCACTCGCAGTGGTGAACCGCTTTTCAAGAGCAAAATTTGTTCCAG 366
Db 447 AATGCAAGCCCTGTCTGCACTCGCAGTGGTGAACCGCTTTTCAAGAGCAAAATTTGTTCCAG 506
Qy 367 CCACCAAGTGTGATCCATCTGCGGGGACTGCTTGGCCAGGATTTTATAGGAAGACGAAACTTTG 426
Db 507 CCACCAAGTGTGATCCATCTGCGGGGACTGCTTGGCCAGGATTTTATAGGAAGACGAAACTTTG 566
Qy 427 TCGGCTTTTCAAGACATGAGAGTGTGCTTGTGAGAGACCTCTCTCTCTTACGAACGCG 486
Db 567 TCGGCTTTTCAAGACATGAGAGTGTGCTTGTGAGAGACCTCTCTCTCTTACGAACGCG 626
Qy 487 ACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGCGTCCACGCGCTCCAGGCCCTCCAGGCCACCGGACA 546
Db 627 ACTGTGCCAGCAAGGTCAACCTCGTGAAGATCGCGTCCACGCGCTCCAGGCCCTCCAGGCCACCGGACA 686
Qy 547 CGGCGCTGGCTGCCGTTATCTGCAAGCGCTCTGGCCACCGCTCTGCTGGCCCTGCTCATCC 606
Db 687 CGGCGCTGGCTGCCGTTATCTGCAAGCGCTCTGGCCACCGCTCTGCTGGCCCTGCTCATCC 746
Qy 607 TCTGTGTCACTATTTGTAAGAGACAGTTTATGAGAGAGAAACCCAGCTGGTCTCTGCGGT 666
Db 747 TCTGTGTCACTATTTGTAAGAGACAGTTTATGAGAGAGAAACCCAGCTGGTCTCTGCGGT 806
Qy 667 CACAGGACATTCAGTACAAACGCTCTGAGCTGCTGGTCTGTTGACAGACCTCAGCTCCAG 726
Db 807 CACAGGACATTCAGTACAAACGCTCTGAGCTGCTGGTCTGTTGACAGACCTCAGCTCCAG 866
Qy 727 AATATGCCACACAGAGCTGCTGCCAGTCCCGCTGACTCAGTGCAGACCTCTGCGGCGCG 786
Db 867 AATATGCCACACAGAGCTGCTGCCAGTCCCGCTGACTCAGTGCAGACCTCTGCGGCGCG 926
Qy 787 TCGGCTTGTCTCCATCCATTCATGCTGTGAGAGGCTCGACGCCCAACCCGCGGACTCTTTG 846
Db 927 TCGGCTTGTCTCCATCCATTCATGCTGTGAGAGGCTCGACGCCCAACCCGCGGACTCTTTG 986
Qy 847 GTTGTGGGGTGCATTTCTGACGCCAGTCTTTCAGGCAAGAAACGACGCCCGCCAGCGGGAGA 906
Db 987 GTTGTGGGGTGCATTTCTGACGCCAGTCTTTCAGGCAAGAAACGACGCCCGCCAGCGGGAGA 1046
Qy 907 TGGTCCCGACTTTTCTTCGGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTTTCAGATGCC 966
Db 1047 TGGTCCCGACTTTTCTTCGGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTTTCAGATGCC 1106
Qy 967 GGCCTCTGATGAGAGAAATCCATGGGTGTGACAAACATCTCTTTTGTGACTCTTATCTCTG 1026
Db 1107 GGCCTCTGATGAGAGAAATCCATGGGTGTGACAAACATCTCTTTTGTGACTCTTATCTCTG 1166
Qy 1027 TACTCACTGGAGAGACATTCATTTCTCAATCCAGAACTTGAAGCTCAACGCTCTTTGG 1086
Db 1167 TACTCACTGGAGAGACATTCATTTCTCAATCCAGAACTTGAAGCTCAACGCTCTTTGG 1226
Qy 1087 ATTTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATTTCTGAAA 1146
Db 1227 ATTTCAATAGCAGTCAAGATTTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATTTCTGAAA 1286
Qy 1147 ACTTTACAGCAGTACTGATTTATCTAGATATATAACAACACTGGTAGAATCAGATCAA 1206
Db 1287 ACTTTACAGCAGTACTGATTTATCTAGATATATAACAACACTGGTAGAATCAGATCAA 1346
Qy 1207 CTCAGGATCACTAACTATGAGAGCCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC 1266
Db 1347 CTCAGGATCACTAACTATGAGAGCCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC 1406
Qy 1267 CAGCCACTCAGAGCTCCCTCCAGGTA 1292
Db 1407 CAGCCACTCAGAGCTCCCTCCAGGAA 1432

RESULT 6
US-10-173-706-473
; Sequence 473, Application US/10173706
; Publication No. US20030022293A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C7
; CURRENT APPLICATION NUMBER: US/10/173,706
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-173-706-473

Query Match 85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. No. 3e-306; 6; Indels 0; Gaps 0;
Matches 1280; Conservative 0; Mismatches 6;

QY	7	GTAGAACTCTCCCAACATAAATACATTTGATAGAAAGATGGCTTTAAAGTCTACTAG	65
DB	147	GAAGAACTCTCCCAACATAAATACATTTGATAGAAAGATGGCTTTAAAGTCTACTAG	206
QY	67	AAACAGAGAAACGTTTTTCACTCTTTTATAGTATTAAGCTATTTGTCATGAAAGTGA	126
DB	207	AAACAGAGAAACGTTTTTCACTCTTTTATAGTATTAAGCTATTTGTCATGAAAGTGA	266
QY	127	CTTGTGAAACAGAGACTGTAGACACAGAAATTCAGGATCGTTCGAAACGTGTTTC	186
DB	267	CTTGTGAATCAGAGACTGTAGACACAGAAATTCAGGATCGTTCGAAACGTGTTTC	326
QY	187	CTTGCAACCAAGTGTGGGCCAGGATGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGG	246
DB	327	CTTGCAACCAAGTGTGGGCCAGGATGGAGTTGTCTAAGGAATGTGGCTTCGGCTATGGG	386
QY	247	AGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCCAGA	306
DB	387	AGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCCAGA	446
QY	307	AATGCAAGCCCTCTGGAAGTGGCAGTGGTGAACCGCTTTCAGAGGCAAAATGTTTCAG	366
DB	447	AATGCAAGCCCTCTGGAAGTGGCAGTGGTGAACCGCTTTCAGAGGCAAAATGTTTCAG	506
QY	367	CCACCAAGTATGCCATCTGCGGGAATGCTTTCAGGAGATTTATAGGAACCAAACTTGG	426
DB	507	CCACCAAGTATGCCATCTGCGGGAATGCTTTCAGGAGATTTATAGGAACCAAACTTGG	566
QY	427	TCGGCTTTCAAGACATGAGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAACCGC	486
DB	567	TCGGCTTTCAAGACATGAGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAACCGC	626
QY	487	ACTGTGCCACAGGTCACCTCGTGAAGATCGCTCCAGGCTCCAGCCACGAGACA	546
DB	627	ACTGTGCCACAGGTCACCTCGTGAAGATCGCTCCAGGCTCCAGCCACGAGACA	686
QY	547	CGGCGCTGGCTGCGCTTATCTGACGCGCTCTGGCCACCGCTCTGCTGGCCCTGCTATCC	606
DB	687	CGGCGCTGGCTGCGCTTATCTGACGCGCTCTGGCCACCGCTCTGCTGGCCCTGCTATCC	746

QY	607	TCTGTGTCTATCTATTGTAAAGACAGTTTATGGAGAAACCCAGCTGCTCTCGCGT	666
DB	747	TCTGTGTCTATCTATTGTAAAGACAGTTTATGGAGAAACCCAGCTGCTCTCGCGT	806
QY	667	CACAGGACATTCAGTACAAACGGCTCTGAGCTGTCTGTCTTGGACAGACCTCAGCTCCACG	726
DB	807	CCAGGACATTCAGTACAAACGGCTCTGAGCTGTCTGTCTTGGACAGACCTCAGCTCCACG	866
QY	727	AATATGCCACACAGAGCTGTGTCAGTCCCGCTGATCTAGTGCAGACCTGCGGGCGG	786
DB	867	AATATGCCACACAGAGCTGTGTCAGTCCCGCTGATCTAGTGCAGACCTGCGGGCGG	926
QY	787	TGCGCTTGTCTCCCATCCATGCTGTGAGGAGGCTGAGCCCAACCCGCGGACCTCTTG	846
DB	927	TGCGCTTGTCTCCCATCCATGCTGTGAGGAGGCTGAGCCCAACCCGCGGACCTCTTG	986
QY	847	GTGTGGGGTGCATCTCTGAGCCAGCTCTTTCAGGCAAGAAACGAGCCCGCGGGAGA	906
DB	987	GTGTGGGGTGCATCTCTGAGCCAGCTCTTTCAGGCAAGAAACGAGCCCGCGGGAGA	1046
QY	907	TGCTGCCGACTTTCTTCGGATCCCTCACGAGTCCATCTGTGGCGAGTTTTCAGATGCT	966
DB	1047	TGCTGCCGACTTTCTTCGGATCCCTCACGAGTCCATCTGTGGCGAGTTTTCAGATGCT	1106
QY	967	GGCCTCTGATGCAGAAATCCCATGGGTGGTGCAGACATCTCTTTTGTGACTCTTATCCTG	1026
DB	1107	GGCCTCTGATGCAGAAATCCCATGGGTGGTGCAGACATCTCTTTTGTGACTCTTATCCTG	1166
QY	1027	AACTCACTGGAGAAACATTTCTCTCAATCCAGAACTTGAAGCTCAAGCTCTTTGG	1086
DB	1167	AACTCACTGGAGAAACATTTCTCTCAATCCAGAACTTGAAGCTCAAGCTCTTTGG	1226
QY	1087	ATTCAAAATAGCAGTCAAGATTTGGTGGGGCTGTTCCAGTCCAGTCTCATCTCGAAA	1146
DB	1227	ATTCAAAATAGCAGTCAAGATTTGGTGGGGCTGTTCCAGTCCAGTCTCATCTCGAAA	1286
QY	1147	ACTTTACAGCAGTACTGATTTATCTAGATATAACACACACTGCTAGATCAGATCAA	1206
DB	1287	ACTTTACAGCAGTACTGATTTATCTAGATATAACACACACTGCTAGATCAGATCAA	1346
QY	1207	CTCAGATGTCACCTAACTATGAGAGCCAGCTAGATCAGAGAGTGGCGCTATCATCCACC	1266
DB	1347	CTCAGATGTCACCTAACTATGAGAGCCAGCTAGATCAGAGAGTGGCGCTATCATCCACC	1406
QY	1267	CAGCCACTCAGACGTCCTCTCCAGGTA	1292
DB	1407	CAGCCACTCAGACGTCCTCTCCAGGTA	1432

RESULT 7
US-10-175-738-473
; Sequence 473, Application US/10175738
; Publication No. US20030022294A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C45
; CURRENT APPLICATION NUMBER: US/10/175,738
; CURRENT FILING DATE: 2002-06-19
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473


```

; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-738-473

Query Match      85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. NO. 3e-306;
Matches 1280; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 7 GTAGAACTCTCCAAACAATAATACATTTGATAAGAAAGATGGCTTTAAAGTGTCTACTAG 66
DB 147 GAAGAACTCTCCAAACAATAATACATTTGATAAGAAAGATGGCTTTAAAGTGTCTACTAG 206

QY 67 AACAGAGAAACCGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTTCATGTAAGTGA 126
DB 207 AACAGAGAAACCGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTTCATGTAAGTGA 266

QY 127 CTGTGAAACAGGAGACTGTGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTTT 186
DB 267 CTGTGAAATCAGGAGACTGTGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTTT 326

QY 187 CTGTGAAACAGGAGACTGTGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTTT 246
DB 1047 TGTGTCGCACTTTCTTCCGATCCCTCACGAGTCCATCTGTGCGGAGTTTTTTCAGATGCTT 1106

; US-10-175-752-473
; Sequence 473, Application US/10175752
; Publication No. US20030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Collin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175,752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-752-473

Query Match      85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. NO. 3e-306;
Matches 1280; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 7 GTAGAACTCTCCAAACAATAATACATTTGATAAGAAAGATGGCTTTAAAGTGTCTACTAG 66
DB 147 GAAGAACTCTCCAAACAATAATACATTTGATAAGAAAGATGGCTTTAAAGTGTCTACTAG 206

QY 67 AACAGAGAAACCGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTTCATGTAAGTGA 126
DB 207 AACAGAGAAACCGTTTTTCACTCTTTTAGTATTACTAGGCTATTGTTCATGTAAGTGA 266

QY 127 CTGTGAAACAGGAGACTGTGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTTT 186
DB 267 CTGTGAAATCAGGAGACTGTGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTTT 326

QY 187 CTGTGAAACAGGAGACTGTGACAGCAAGAAATTCAGGGATCGGTCTGGAACCTGTGTTT 246
DB 1047 TGTGTCGCACTTTCTTCCGATCCCTCACGAGTCCATCTGTGCGGAGTTTTTTCAGATGCTT 1106
```



```

967 GGCCTCTGATGACAGAAATCCCATGGGTGGTGAACAATCTCTTTTGTGACTCTTATCCTG 1026
1107 GGCCTCTGATGACAGAAATCCCATGGGTGGTGAACAATCTCTTTTGTGACTCTTATCCTG 1166
1027 AACTCACTGAGAGAAACATTTCTCTCAATCCAGAACTTGAAGCTCAAGCTCTTTGG 1086
1167 AACTCACTGAGAGAAACATTTCTCTCAATCCAGAACTTGAAGCTCAAGCTCTTTGG 1226
1087 ATTCAATAGCAGTCAAGATTGGTTGGTGGGCTGTTCAGTCCAGTCTCATTTCTGAAA 1146
1227 ATTCAATAGCAGTCAAGATTGGTTGGTGGGCTGTTCAGTCCAGTCTCATTTCTGAAA 1286
1147 ACTTTACAGCAGTACTGATTTTCTAGATATAACAACACACTGGTAGAATCAGCATCAA 1206
1287 ACTTTACAGCAGTACTGATTTTCTAGATATAACAACACACTGGTAGAATCAGCATCAA 1346
1207 CTCAGATGACACTAATATGAGAAGCCAGCTAGATCAGGAGTGGGCTATCATCCACC 1266
1347 CTCAGATGACACTAATATGAGAAGCCAGCTAGATCAGGAGTGGGCTATCATCCACC 1406
1267 CAGCCACTCAGAGCTCCCTCCAGGTA 1292
1407 CAGCCACTCAGAGCTCCCTCCAGGAA 1432

RESULT 11
US-10-176-913-473
; Sequence 473, Application US/10176913
; Publication No. US2003002298A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C66
; CURRENT APPLICATION NUMBER: US/10/176,913
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-913-473

Query Match 85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. No. 3e-306;
Matches 1280; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 7 GTAGAACTCTCAACAATAATACATTTGATAGAAGATGGCTTTAAAAGTCTACTAG 66
DB 147 GAAGAACTCTCAACAATAATAATACATTTGATAGAAGATGGCTTTAAAAGTCTACTAG 206
QY 67 AACAGAGAAAACGTTTTTCACCTCTTTTAGTATTACTAGGCTATTTGTCAATGTAAGTGA 126
DB 207 AACAGAGAAAACGTTTTTCACCTCTTTTAGTATTACTAGGCTATTTGTCAATGTAAGTGA 266
QY 127 CTTGTGAAACAGGAGACTGTAGACAGCAAAATTCAGGGATCGGTCTGGAACCTGTGTTTC 186
DB 267 CTTGTGAAACAGGAGACTGTAGACAGCAAAATTCAGGGATCGGTCTGGAACCTGTGTTTC 326
QY 187 CTTGCAACAGTGTGGCCAGGATCGAGTTGCTTAAGGAATCGGCTTCGGCTATGGGG 246
DB 1407 CAGCCACTCAGAGCTCCCTCCAGGAA 1432
DB 1407 CAGCCACTCAGAGCTCCCTCCAGGAA 1432

327 CCTGCAACAGAGTGTGGGCCAGGCATGAGATTGTCTAAGAAATGTGGCTTCGGCTATGGGG 386
247 AGGATGCACAGTGTGTGAGCTCCGGCTGCACAGGTTCAAAGAGAGACTTGGGCTTTCCAGA 306
387 AGGATGCACAGTGTGTGAGCTCCGGCTGCACAGGTTCAAAGAGAGACTTGGGCTTTCCAGA 446
307 AATGAAAGCCCTGTCTGAGCTGCGAGTGGTGAACCGCTTTTCAGAAAGCAAAATTTGTTTCA 366
447 AATGAAAGCCCTGTCTGAGCTGCGAGTGGTGAACCGCTTTTCAGAAAGCAAAATTTGTTTCA 506
367 CCACAGATGATGCCATCTGCGGGGACTCTTGGCCAGGATTTTATAGGAAGACGAAACTTGG 426
507 CCACAGATGATGCCATCTGCGGGGACTCTTGGCCAGGATTTTATAGGAAGACGAAACTTGG 566
427 TCGGCTTTCAAGACATGAGAGTGTGCTTGTGGAGAGCCCTCTCTCTCTTACGAACCGC 486
567 TCGGCTTTCAAGACATGAGAGTGTGCTTGTGGAGAGCCCTCTCTCTCTTACGAACCGC 626
487 ACTGTGCAGCAAGTCAACCTCTGTAAGATCGGTTCACGGCTTCAGGCCACCGGACA 546
627 ACTGTGCAGCAAGTCAACCTCTGTAAGATCGGTTCACGGCTTCAGGCCACCGGACA 686
547 CGGCGCTGSCCTGCTTATCTGACGCTCTGCGCCACCGTCTGCTGCGCTTCATCC 606
687 CGGCGCTGSCCTGCTTATCTGACGCTCTGCGCCACCGTCTGCTGCGCTTCATCC 746
607 TCTGTGTCATCTATTTAGAGACAGTTTTATGGAAGAAACCCAGCTGGTCTCTCGGT 666
747 TCTGTGTCATCTATTTAGAGACAGTTTTATGGAAGAAACCCAGCTGGTCTCTCGGT 806
667 CACAGCAATTCAGTACAAAGCTCTGAGCTGTCTGTCTGTGACAGACTTCAGCTCCAG 726
807 CCGAGCAATTCAGTACAAAGCTCTGAGCTGTCTGTCTGTGACAGACTTCAGCTCCAG 866
727 AATATGCCACAGAGCTGCTGCCAGTGCAGCTGCTGCTGAGTCTGAGTCTGAGTCTGAG 786
867 AATATGCCACAGAGCTGCTGCCAGTGCAGCTGCTGCTGAGTCTGAGTCTGAGTCTGAG 926
787 TCGGCTGTCTCCATCCATCTGCTGAGGAGGCTGCGAGCCCAACCGGCGACTCTTTG 846
927 TCGGCTGTCTCCATCCATCTGCTGAGGAGGCTGCGAGCCCAACCGGCGACTCTTTG 986
847 GTTGTGGGTGCAATTCGAGCAGCTCTTCAGGCAAGAAACAGCGGCCCGGAGGA 906
987 GTTGTGGGTGCAATTCGAGCAGCTCTTCAGGCAAGAAACAGCGGCCCGGAGGA 1046
907 TGGTCCGACTTTCTTCGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 966
1047 TGGTCCGACTTTCTTCGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 1106
967 GGCCTCTGATGACAGAAATCCCATGGGTGGTGAACAATCTCTTTTGTGACTCTTATCCTG 1026
1107 GGCCTCTGATGACAGAAATCCCATGGGTGGTGAACAATCTCTTTTGTGACTCTTATCCTG 1166
1027 AACTCACTGAGAGAAACATTTCTCTCAATCCAGAACTTGAAGCTCAAGCTCTTTGG 1086
1167 AACTCACTGAGAGAAACATTTCTCTCAATCCAGAACTTGAAGCTCAAGCTCTTTGG 1226
1087 ATTCAATAGCAGTCAAGATTGGTTGGTGGGCTGTTCAGTCCAGTCTCATTTCTGAAA 1146
1227 ATTCAATAGCAGTCAAGATTGGTTGGTGGGCTGTTCAGTCCAGTCTCATTTCTGAAA 1286
1147 ACTTTACAGCAGTACTGATTTTCTAGATATAACAACACACTGGTAGAATCAGCATCAA 1206
1287 ACTTTACAGCAGTACTGATTTTCTAGATATAACAACACACTGGTAGAATCAGCATCAA 1346
1207 CTCAGATGACACTAATATGAGAAGCCAGCTAGATCAGGAGTGGGCTATCATCCACC 1266
1347 CTCAGATGACACTAATATGAGAAGCCAGCTAGATCAGGAGTGGGCTATCATCCACC 1406
1267 CAGCCACTCAGAGCTCCCTCCAGGTA 1292
1407 CAGCCACTCAGAGCTCCCTCCAGGAA 1432
```



```
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-180-557-473

Query Match      85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. No. 3e-306;
Matches 1280; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 7 GTAGAACTCCCAACAAATATACATTTGATAGAAAGATGGCTTTAAAGTCTACTAG 66
DB 147 GAAGAACTCTCCAAACAATAATACATTTGATAGAAAGATGGCTTTAAAGTCTACTAG 206
QY 67 AACAGAGAAAAAGCTTTTCACTCTTTTAGTATTACTAGGCTATTTGTGCTAAAGTGA 126
DB 207 AACAGAGAAAAAGCTTTTCACTCTTTTAGTATTACTAGGCTATTTGTGCTAAAGTGA 266
QY 127 CTTGTGAAACAGAGACTGTAGACAGCAAGAAATTCAGGATCGGTCTGGAAGCTGTGTTTC 186
DB 267 CTTGTGAATCAGGAGACTGTAGACAGCAAGAAATTCAGGATCGGTCTGGAAGCTGTGTTTC 326
QY 187 CTTGCAACAGCTGTGGGCCAGGATGGAGTTGTCTAAGNAATGTGGCTTCGGCTATGGGG 246
DB 327 CTTGCAACAGCTGTGGGCCAGGATGGAGTTGTCTAAGNAATGTGGCTTCGGCTATGGGG 386
QY 247 AGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTCAAGAGGAGCTGGGGCTTCGAGA 306
DB 387 AGGATGCACAGTGTGTGACGTGCGGCTGCACAGGTTCAAGAGGAGCTGGGGCTTCGAGA 446
QY 307 AATGCAAGCCCTCTCTGGACTGCGCAGTGTGAACCGCTTTTCAAGAGGCAAAATGTTCAG 366
DB 447 AATGCAAGCCCTCTCTGGACTGCGCAGTGTGAACCGCTTTTCAAGAGGCAAAATGTTCAG 506
QY 367 CCACCAAGTATGCATCTGGGGGAGCTGTGGCCAGGATTTTATAGGAAGCAAACTTG 426
DB 507 CCACCAAGTATGCATCTGGGGGAGCTGTGGCCAGGATTTTATAGGAAGCAAACTTG 566
QY 427 TCGGCTTTCAAGACATGGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAACCCG 486
DB 567 TCGGCTTTCAAGACATGGAGTGTGCTTGTGGAGACCTCTCTCTCTTACGAACCCG 626
QY 487 ACTGTGCCAAGAGTCAACTCGTGAAGATCGGTCACGGCTCCAGGCCCTCAGGCCACGGGACA 546
DB 627 ACTGTGCCAAGAGTCAACTCGTGAAGATCGGTCACGGCTCCAGGCCCTCAGGCCACGGGACA 686
QY 547 CGGCGTGGCTGCGCTATCTGACGCGCTCTGGCCACCGTCTGCTGGCCCTGCTCATCC 606
DB 687 CGGCGTGGCTGCGCTATCTGACGCGCTCTGGCCACCGTCTGCTGGCCCTGCTCATCC 746
QY 607 TCTGTGTCATCTATTGTAAGACAGTTTATGAGAGAAACCCAGCTGCTCTGCGGT 666
DB 747 TCTGTGTCATCTATTGTAAGACAGTTTATGAGAGAAACCCAGCTGCTCTGCGGT 806
QY 667 CACAGGACATTCAGTACAAACGGCTCTGAGCTGTGCTGTCTGTGACAGACTTCAGCTCAACG 726
DB 807 CGCAGGACATTCAGTACAAACGGCTCTGAGCTGTGCTGTGTTGACAGACCTTCAGCTCAACG 866
QY 727 AATATGCCACAGAGCTGTGCGGCTGACCTGACCTGACCTGACCTGCGGCGCGG 786
DB 867 AATATGCCACAGAGCTGTGCGGCTGACCTGACCTGACCTGCGGCGCGG 926
QY 787 TGGCTTGTCTCCCATCCATGCTGTGTGAGGAGGCTTCAGCCCAACCCCGGACCTTTG 846
DB 927 TGGCTTGTCTCCCATCCATGCTGTGTGAGGAGGCTTCAGCCCAACCCCGGACCTTTG 986
QY 847 GTTGTGGGGTGCATTTCTGACGACAGTCTTTCAGGCAAGAAACCGCAGGCCACCGGGGAGA 906
DB 987 GTTGTGGGGTGCATTTCTGACGACAGTCTTTCAGGCAAGAAACCGCAGGCCACCGGGGAGA 1046
QY 907 TGGTGGCGACTTCTTTCGGATCCCTCAGCAGTCCATCTGCTGGCGAGTTTTCAGATGCGCT 966
```

Db 327 CCTGCAACAGTGTGGGCCAGGCAATGAGTGTCTGAAGGAATGTGGCTTCGGCTATGGG 386
QY 247 AGGATGCACAGTGTGTGAGTGTGGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCCAGA 306
Db 387 AGGATGCACAGTGTGTGAGTGTGGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCCAGA 446
QY 307 AATGCAAGCCCTGTCTGGACTGCGCAGTGTGAACCGCTTTTCAGAAAGCAAAATGTTTCAG 366
Db 447 AATGCAAGCCCTGTCTGGACTGCGCAGTGTGAACCGCTTTTCAGAAAGCAAAATGTTTCAG 506
QY 367 CCACCAAGTATGCCATCTCGGGGACTGCTTGGAGGACCTCTCTCTCTTACGAACCGC 426
Db 507 CCACCAAGTATGCCATCTCGGGGACTGCTTGGAGGATTTTATAGGAAGCAAAATGTTTCAG 566
QY 427 TCGGCTTTCAAGACATGAGTGTGTCTTGTGGAGACCTCTCTCTCTTACGAACCGC 486
Db 567 TCGGCTTTCAAGACATGAGTGTGTCTTGTGGAGACCTCTCTCTCTTACGAACCGC 626
QY 487 ACTGTGCCAGCAAGTCAACCTCGTGAAGATCGCGTCCACGGCTTCCAGCCCAACGGGACA 546
Db 627 ACTGTGCCAGCAAGTCAACCTCGTGAAGATCGCGTCCACGGCTTCCAGCCCAACGGGACA 686
QY 547 CGGCGTGTGCTGCTGAGTGTGTGAGGACCTCTCTCTCTTACGAACCGC 606
Db 687 CGGCGTGTGCTGCTGAGTGTGTGAGGACCTCTCTCTCTTACGAACCGC 746
QY 607 TCTGTGTCTATCTATTGTAAGAGACAGTTTATGAGAGAAACCCAGCTGTCTCTGCGGT 666
Db 747 TCTGTGTCTATCTATTGTAAGAGACAGTTTATGAGAGAAACCCAGCTGTCTCTGCGGT 806
QY 667 CACAGGACATTCAGTCAACCGCTGTGAGTGTGTGAGAGAAACCCAGCTGTCTCTGCGGT 726
Db 807 CGCAGGACATTCAGTCAACCGCTGTGAGTGTGTGAGAGAAACCCAGCTGTCTCTGCGGT 866
QY 727 AATATGCCACAGAGCCTCTGCCAGTGTGCGGCTGACTCAGTGCAGACCTCGGGCCGG 786
Db 867 AATATGCCACAGAGCCTCTGCCAGTGTGCGGCTGACTCAGTGCAGACCTCGGGCCGG 926
QY 787 TCGGCTTGTCTCCATCCATGTGTGAGAGGAGCCTGTGAGGAGAAACCCAGCTGTCTCTG 846
Db 927 TCGGCTTGTCTCCATCCATGTGTGAGAGGAGCCTGTGAGGAGAAACCCAGCTGTCTCTG 986
QY 847 GTTGTGGGTGCAATCTGAGCAGCTTTTCAGCAAGAAACCGAGCCCGAGCGGGAGA 906
Db 987 GTTGTGGGTGCAATCTGAGCAGCTTTTCAGCAAGAAACCGAGCCCGAGCGGGAGA 1046
QY 907 TGGTGGGAGCTTTCTCGGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 966
Db 1047 TGGTGGGAGCTTTCTCGGATCCCTCAGCAGTCCATCTGTGGCGAGTTTTCAGATGCT 1106
QY 967 GGCCTCTGATGAGAAATCCATGGGTGTGAGCAACATCTCTTTTGTGACTCTTATCTCTG 1026
Db 1107 GGCCTCTGATGAGAAATCCATGGGTGTGAGCAACATCTCTTTTGTGACTCTTATCTCTG 1166
QY 1027 AACTCACTGGAGAGCAATTCATCTCTCAATCCAGAACTTGAAGCTCAACGCTCTTTGG 1086
Db 1167 AACTCACTGGAGAGCAATTCATCTCTCAATCCAGAACTTGAAGCTCAACGCTCTTTGG 1226
QY 1087 ATTCAATAGCAGTCAAGATTTGGTGTGGGGCTGTTCAGTCCAGTCTCATCTCTGAAA 1146
Db 1227 ATTCAATAGCAGTCAAGATTTGGTGTGGGGCTGTTCAGTCCAGTCTCATCTCTGAAA 1286
QY 1147 ACTTTACAGCAGTACTGATTTATCTAGATATAACCAACACTTGGTAGAATCAGATCAA 1206
Db 1287 ACTTTACAGCAGTACTGATTTATCTAGATATAACCAACACTTGGTAGAATCAGATCAA 1346
QY 1207 CTCAGGATGCACTAATATGAGAGCCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC 1266
Db 1347 CTCAGGATGCACTAATATGAGAGCCAGCTAGATCAGGAGAGTGGCGCTATCATCCACC 1406
QY 1267 CAGCAGTCTGAGCTCTCCAGGTA 1292

Db 1407 CAGCCACTCAGACGTCCTCCAGGAA 1432
RESULT 15
US-10-174-572-473
; Sequence 473, Application US/10174572
; Publication No. US20030027263A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C40
; CURRENT APPLICATION NUMBER: US/10/174,572
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-174-572-473
Query Match 85.3%; Score 1276.4; DB 9; Length 2870;
Best Local Similarity 99.5%; Pred. No. 3e-306;
Matches 1280; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 7 GTAGAACTCTCCAACTAAATACATTTGATAAGAAAGATGGCTTTAAAGTGCTACTAG 66
Db 147 GAAGAACTCTCCAACTAAATACATTTGATAAGAAAGATGGCTTTAAAGTGCTACTAG 206
QY 67 AACAGAGAAAGAGCTTTTCACTCTTTTAGTATTACTAGGCTATTGTTCATGTAAGTGA 126
Db 207 AACAGAGAAAGAGCTTTTCACTCTTTTAGTATTACTAGGCTATTGTTCATGTAAGTGA 266
QY 127 CTTGTGAAGCAAGGAGACTGTAGACAGCAAGAAATTCAGGATCGGTCTGGAAACTGTGTTTC 186
Db 267 CTTGTGATCAGGAGACTGTAGACAGCAAGAAATTCAGGATCGGTCTGGAAACTGTGTTTC 326
QY 187 CTTGCAACAGTGTGGCGAGCATGGAGTTGTCTAAGAAATGTGGCTTCGGCTATGGGG 246
Db 327 CTTGCAACAGTGTGGCGAGCATGGAGTTGTCTAAGAAATGTGGCTTCGGCTATGGGG 386
QY 247 AGGATGCACAGTGTGAGCTGCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCCAGA 306
Db 387 AGGATGCACAGTGTGAGCTGCGGCTGCACAGGTTCAAGGAGGACTGGGGCTTCCAGA 446
QY 307 AATGCAAGCCCTGTCTGGACTGCGCAGTGTGAACCGCTTTTCAGAAAGCAAAATGTTTCAG 366
Db 447 AATGCAAGCCCTGTCTGGACTGCGCAGTGTGAACCGCTTTTCAGAAAGCAAAATGTTTCAG 506
QY 367 CCACCAAGTATGCCATCTCGGGGACTGCTTGGCGGAGCTGCTTGGCGAGATTTTATAGGAAGCAAAATGTTTCAG 426
Db 507 CCACCAAGTATGCCATCTCGGGGACTGCTTGGCGGAGCTGCTTGGCGAGATTTTATAGGAAGCAAAATGTTTCAG 566
QY 427 TCGGCTTTCAAGACATGAGTGTGTCTTGTGGAGACCTCTCTCTCTTACGAACCGC 486
Db 567 TCGGCTTTCAAGACATGAGTGTGTCTTGTGGAGACCTCTCTCTCTTACGAACCGC 626
QY 487 ACTGTGCCAGCAAGTCAACCTCGTGAAGATCGCGTCCACGGCTTCCAGCCCAACGGGACA 546
Db 627 ACTGTGCCAGCAAGTCAACCTCGTGAAGATCGCGTCCACGGCTTCCAGCCCAACGGGACA 686
QY 547 CGGCGTGTGCTGCTGAGTGTGTGAGGACCTCTCTCTCTTACGAACCGC 606

Db 687 CGCGCTGGCTGCGCTTATCTGCAGCGCTCTGCGCACCGTCTGCTGGCCCTGCTCATCC 746
Qy 607 TCTGTGTCATCTATTCTAAGAGACAGTTTATGGAGAGAAACCCAGCTGCTCTCTGCGGT 666
Db 747 TCTGTGTCATCTATTCTAAGAGACAGTTTATGGAGAGAAACCCAGCTGCTCTCTGCGGT 806
Qy 667 CACAGGACATTCAGTACAAAGGCTCTGAGCTGTGCTGTCTTGAAGAGACCTCAGCTCCAG 726
Db 807 CGCAGGACATTCAGTACAAAGGCTCTGAGCTGTGCTGTCTTGAAGAGACCTCAGCTCCAG 866
Qy 727 AATATGCCACAGAGCTGCTGCGAGCTGCTGCGGCGCTGACTCAGTGCAGACTGCGGCGCG 786
Db 867 AATATGCCACAGAGCTGCTGCGAGCTGCTGCGGCGCTGACTCAGTGCAGACTGCGGCGCG 926
Qy 787 TGGGCTTGTCTCCCATCCATGCTGTGTGAGAGGCTGCGAGGCCCTGCGAGGCCCAACCGGCGACTCTTG 846
Db 927 TGGGCTTGTCTCCCATCCATGCTGTGTGAGAGGCTGCGAGGCCCTGCGAGGCCCAACCGGCGACTCTTG 986
Qy 847 GTTGTGGGTGCAATTCGAGCCAGTCTTCAGGCAAGAAACGAGGCCCGCGGGGAGA 906
Db 987 GTTGTGGGTGCAATTCGAGCCAGTCTTCAGGCAAGAAACGAGGCCCGCGGGGAGA 1046
Qy 907 TGGTGGCGACTTCTTCGGATCCCTCAGCGAGTCCATCTGTGCGGAGTTTTCAGATGCTT 966
Db 1047 TGGTGGCGACTTCTTCGGATCCCTCAGCGAGTCCATCTGTGCGGAGTTTTCAGATGCTT 1106
Qy 967 GGCCTCTGTATGACAGAAATCCCATGGTGGTGACAAACATCTCTTTTGTGACTCTTATCCTG 1026
Db 1107 GGCCTCTGTATGACAGAAATCCCATGGTGGTGACAAACATCTCTTTTGTGACTCTTATCCTG 1166
Qy 1027 AACTCACTGGAGAGACATTCATCTCTCAATCCAGAACTTGAAGCTCAACGCTCTTTGG 1086
Db 1167 AACTCACTGGAGAGACATTCATCTCTCAATCCAGAACTTGAAGCTCAACGCTCTTTGG 1226
Qy 1087 ATTCAAATAGCAGTCAAGATTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATTTCTGAAA 1146
Db 1227 ATTCAAATAGCAGTCAAGATTGGTTGGTGGGCTGTTCCAGTCCAGTCTCATTTCTGAAA 1286
Qy 1147 ACTTTACAGCAGTACTGATTATCTAGATATAACACACACTGGTAGAATCAGCATCAA 1206
Db 1287 ACTTTACAGCAGTACTGATTATCTAGATATAACACACACTGGTAGAATCAGCATCAA 1346
Qy 1207 CTCAGGATGCATTAACCTATGAGAGCCAGCTAGATCAGGAGTGGGCTTATCATCCACC 1266
Db 1347 CTCAGGATGCATTAACCTATGAGAGCCAGCTAGATCAGGAGTGGGCTTATCATCCACC 1406
Qy 1267 CAGCCACTCAGAGTCCCTCCAGTA 1292
Db 1407 CAGCCACTCAGAGTCCCTCCAGTA 1432

Search completed: June 23, 2003, 02:51:24
Job time : 230.138 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: June 22, 2003, 21:28:42 ; Search time 15.6107 Seconds
(without alignments)
797.266 Million cell updates/sec

Title: US-09-380-276A-8
Perfect score: 2283
Sequence: 1 MALKVLLQEKTFFTLVLL.....AIHPATQSLQVRQLGSL 423

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-Processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2.6/prodata/1/iaa/5A COMB.pep:*
2: /cgn2.6/prodata/1/iaa/5B COMB.pep:*
3: /cgn2.6/prodata/1/iaa/6A COMB.pep:*
4: /cgn2.6/prodata/1/iaa/6B COMB.pep:*
5: /cgn2.6/prodata/1/iaa/PCTUS COMB.pep:*
6: /cgn2.6/prodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	869	38.1	210	4	US-09-286-529-3
2	714.5	31.3	151	4	US-09-286-529-4
3	191	8.4	448	4	US-09-342-681C-17
4	191	8.4	448	4	US-09-342-681C-19
5	159	7.0	438	1	US-08-097-827-11
6	159	7.0	438	1	US-08-494-574-11
7	150	6.6	206	1	US-08-097-827-7
8	150	6.6	206	1	US-08-494-574-7
9	145	6.4	205	3	US-08-974-022-51
10	145	6.4	205	4	US-08-795-445A-51
11	145	6.4	205	4	US-08-795-447A-51
12	145	6.4	205	4	US-08-974-186-51
13	145	6.4	205	4	US-08-795-448B-51
14	145	6.4	205	4	US-08-706-945D-138
15	144	6.3	1104	2	US-08-327-832-5
16	144	6.3	1104	2	US-08-828-584-5
17	136	6.0	625	3	US-08-996-139-15
18	136	6.0	625	4	US-08-995-659-15
19	136	6.0	625	4	US-09-215-649A-15
20	136	6.0	625	4	US-09-577-780-15
21	134.5	5.9	415	4	US-09-006-353A-6
22	134.5	5.9	415	4	US-09-573-986-6
23	134	5.9	186	1	US-08-089-458B-6
24	134	5.9	307	4	US-08-804-166-4
25	134	5.9	307	4	US-08-910-991-4
26	133.5	5.8	2050	2	US-08-347-594A-2
27	132.5	5.8	197	2	US-08-505-606-1

28	132.5	5.8	197	4	US-09-000-166-1	Sequence 1, Appli
29	132	5.8	276	4	US-09-041-886-27	Sequence 27, Appl
30	132	5.8	277	4	US-09-042-785A-10	Sequence 10, Appl
31	132	5.8	277	4	US-09-006-353A-10	Sequence 10, Appl
32	132	5.8	277	4	US-08-114-944D-2	Sequence 2, Appli
33	132	5.8	277	4	US-09-573-986-10	Sequence 10, Appl
34	131	5.7	139	2	US-08-219-237B-8	Sequence 8, Appli
35	131	5.7	176	4	US-09-411-722-1	Sequence 17, Appl
36	130.5	5.7	140	4	US-08-477-347-17	Sequence 8, Appli
37	130.5	5.7	140	4	US-08-476-862-8	Sequence 14, Appl
38	130.5	5.7	170	4	US-08-828-683A-14	Sequence 8, Appli
39	129.5	5.7	336	4	US-08-804-166-8	Sequence 8, Appli
40	129.5	5.7	336	4	US-08-910-991-8	Sequence 4, Appli
41	129	5.7	326	5	US-08-292-549-4	Sequence 4, Appli
42	129	5.7	326	5	PCT-US91-02207-4	Sequence 20, Appl
43	128.5	5.6	1170	1	US-08-313-288B-20	Sequence 6, Appli
44	128	5.6	355	1	US-08-292-549-6	Sequence 14, Appl
45	128	5.6	355	4	US-09-006-353A-14	

ALIGNMENTS

RESULT 1
US-09-286-529-3
; Sequence 3, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 210
; TYPE: PRT
; ORGANISM: human
US-09-286-529-3

Query Match 38.1%; Score 869; DB 4; Length 210;
Best Local Similarity 83.7%; Pred. No. 1.4e-73;
Matches 154; Conservative 11; Mismatches 19; Indels 0; Gaps 0;
QY 1 MALKVLLQEKTFFTLVLLGLVLSCKVTCETGCRQOEFRDRSGNCVPCNQCQPGWELSK 60
DB 1 MALKVLPVLRVTFVFAILFLHLACKVSCETGDCRQOEFRDRSGNCVLCQCGPGWELSK 60
QY 61 ECGFGYGEDAQCVCVRLHRFKEDWGFQCKPCLDCAVVRNRFQKANCATSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCVCVRLHRFKEDWGFQCKPCLDCAVVRNRFQKANCATSDAICGDCPLG 120
QY 121 FYRKTGLVGFQDMCVPCGDDPPPPPEPHCAKVNVLKVIATSTASSPRDITALAAVICSALAT 180
DB 121 FYRKTGLVGFQDMCVPCGDDPPPPPEPHCAKVNVLKVIATSTASSPRDITALAAVICSALAT 180
QY 181 VLLA 184
DB 181 VLLA 184

RESULT 2
US-09-286-529-4
; Sequence 4, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25

```
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 151
; TYPE: PRT
; ORGANISM: human
; US-09-286-529-4

Query Match      31.3%; Score 714.5; DB 4; Length 151;
Best Local Similarity 82.0%; Pred. No. 2.5e-59;
Matches 123; Conservative 9; Mismatches 17; Indels 1; Gaps 1;

QY 1 MALKVLLLEQKTEFTLLVLLGYLSCKVTCTGDC-ROQPRDRSGNCVPCNOCGPGMELS 59
   ||||| : : : : : ||||| : : : : : ||||| : : : : : ||||| : : : : :
Db 1 MALKVLLPLHRTVLLFAILLFLLHACKVSCETGDCSRQBFKDRSGNCVLCCKGPGMELS 60
   ||||| : : : : : ||||| : : : : : ||||| : : : : : ||||| : : : : :

QY 60 KECGFYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNVRFQKANCSTSAICGDCDLP 119
   ||||| : : : : : ||||| : : : : : ||||| : : : : : ||||| : : : : :
Db 61 KECGFYGEDAQCVPCRPFRFKEDWGFQCKPCADCAVNVRFQKANCSTSDAVCGDCLP 120
   ||||| : : : : : ||||| : : : : : ||||| : : : : : ||||| : : : : :

QY 120 GFYRKTCLVGFQDMECVPCGDPDPPEPHC 149
   ||||| : : : : : ||||| : : : : : ||||| : : : : : ||||| : : : : :
Db 121 GFYRKTCLVGFQDMECVPCGDPDPPEPHC 150
   ||||| : : : : : ||||| : : : : : ||||| : : : : : ||||| : : : : :

RESULT 3
US-09-342-681C-17
; Sequence 17, Application US/09342681C
; Patent No. 6355782
; GENERAL INFORMATION:
; APPLICANT: Zonana et al.
; TITLE OF INVENTION: Hypohydrotic ectodermal dysplasia genes and proteins
; FILE REFERENCE: 52978
; CURRENT APPLICATION NUMBER: US/09/342,681C
; CURRENT FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 60/092,279
; PRIOR FILING DATE: 1998-07-09
; PRIOR FILING DATE: 1998-07-09
; PRIOR FILING DATE: 1998-07-09
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 448
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-342-681C-17

Query Match      8.4%; Score 191; DB 4; Length 448;
Best Local Similarity 28.7%; Pred. No. 1.1e-09;
Matches 62; Conservative 30; Mismatches 84; Indels 40; Gaps 12;

QY 16 LLVLLGYLSCKVTCTGDCRQQRDR-SGNCVPCNOCGPGMELSKGCGF-YGEDAQCV 73
   ||||| : : : : : ||||| : : : : : ||||| : : : : : ||||| : : : : :
Db 13 LPVLVSLMCSARAEYSNCGENEYNTTGLCQECPPCGPGEPPYLSGCGYTKDEDYGCV 72
   ||||| : : : : : ||||| : : : : : ||||| : : : : : ||||| : : : : :

QY 74 TCRHRFKEDWGFQCKPCLDCAVNVRFQKANC-----SATSDAICGDCDLPGY----RKT 125
   ||||| : : : : : ||||| : : : : : ||||| : : : : : ||||| : : : : :
Db 73 PCPAEKFSKG-GYQICRRHKDC---EGFPRATVLTFGDMENDAECCGCLPGYYMLNRRP 128
   ||||| : : : : : ||||| : : : : : ||||| : : : : : ||||| : : : : :

QY 126 KLVGFQDMECVPCGDPDPPEPHCASKVNLVKI-----ASTASSPRDTA-----L 170
   ||||| : : : : : ||||| : : : : : ||||| : : : : : ||||| : : : : :
Db 129 NIYG---WVCYSC-LLAPNTKECVGATSGASANFPGTSGSSTLSPFQHAHKLSCGQHL 184
   ||||| : : : : : ||||| : : : : : ||||| : : : : : ||||| : : : : :

QY 171 AAIVCSALATVL---LALLILCVYCKRQPMKKPS 203
   ||||| : : : : : ||||| : : : : : ||||| : : : : : ||||| : : : : :
Db 185 ATALIITAMSTIFMAIAIVLIIMFY----ILTKPS 216
   ||||| : : : : : ||||| : : : : : ||||| : : : : : ||||| : : : : :

RESULT 5
US-08-097-827-11
; Sequence 11, Application US/08097827
; GENERAL INFORMATION:
; APPLICANT: Baum, Peter
; Goodwin, Ray
; Fanslow, William
; Gayle, Richard
; TITLE OF INVENTION: Novel Cytokine Which is a Ligand for
; OX40
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/097,827
; APPLICATION NUMBER: US/08/097,827
; FILING DATE: 23-Jul-1993
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia A.
; REGISTRATION NUMBER: 34,693
; REFERENCE/DOCKET NUMBER: 2806
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-587-0730
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 438 amino acids
```

Query Match 6.6%; Score 150; DB 1; Length 206;
Best Local Similarity 30.1%; Pred. No. 2.6e-06;
Matches 55: Conservative 21; Mismatches 75; Indels 32; Gaps 13;

Qy	15	TLLVLILGYLSCKVT	CETGDCRQBFPRDRSGN	-	CVFCNQCGPGMELSK	ECGFGYGEDAQCV	73
		: : : :	: : : :		: : : :	: : : :	
Db	9	TALLLLG-LTLGV	TARLNCVKHTY	-	PSGHKC--CRECQPGHGMVNR	C--DHTRTLCH	61
		: : : :	: : : :		: : : :	: : : :	
Qy	74	TCLRHFKEDWGFQK	PCLDCAVVNRQ	-	KANCATSDAICGDCL	PGFYRKTLLVGFD	132
		: : : :	: : : :		: : : :	: : : :	
Db	62	PCETGFYNEAVNYD	CKQCTQCNHRS	GSELKQNC	TPQTQD	TVC-RCRPGTQPR	----QD 114
		: : : :	: : : :		: : : :	: : : :	
Qy	133	-----MECVP	CGDPPPYEP	-----	HCASKYNLVKIA	STASSPRD	TALAAVIC---SALA 179
		: : : :	: : : :		: : : :	: : : :	
Db	115	SGYKLGVD	CVPC--PPGHFS	PGNNQACKP	WTNCTLSG	KQTRHPAS	DSLDAV-CEDRSLLA 171
		: : : :	: : : :		: : : :	: : : :	
Qy	180	TVL	182				
		: :					
Db	172	TLL	174				
		: :					

```

RESULT 8
US-08-494-574-7
; Sequence 7, Application US/08494574
; Patent No. 5783655
; GENERAL INFORMATION:
; APPLICANT: Baum, Peter
; APPLICANT: Goodwin, Ray
; APPLICANT: Fanslow, William
; APPLICANT: Gayle, Richard
; TITLE OF INVENTION: No. 5783655el Cytokine Which is a Ligand for
; TITLE OF INVENTION: OX40

```

FILE OF INVENTION: 03A0
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/494,574
FILING DATE: 22-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/097,827
FILING DATE: 23-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia A.
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2806
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-587-0730
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 206 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-494-574-7

D6	62	PCETGTFNEAWYDTCCKTQCNRHRSSELKQNCPTPQDTVC-RCRPGTQPR-----QD	114
Q7	133	-----MECVPCGGPPPPYP-----HCASKNVLVKIASTASSPRDTALAAVIC-----SALA	179
D8	115	SGYKLGVDDCVC---PPGHFSPGNNAQCPMTWCTLSGKQTRHPASDSLDV-CEDRSLUA	171
Q9	180	TVL	182
D9	172	TLL	174

```

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000
1001
1002
1003
1004
1005
1006
1007
1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
1018
1019
1020
1021
1022
1023
1024
1025
1026
1027
1028
1029
1030
1031
1032
1033
1034
1035
1036
1037
1038
1039
1040

```

Query Match	6.4%	Score 145;	DB 3;	Length 205;
Best Local Similarity	28.6%;	Pred. No. 7.5e-06;		
Matches	54;	Conservative 23;	Mismatches 76;	Indels 36; Gaps 12
Qy	9	QEKTFFTLLVLGLSLCKVTCETGDCRQEFDRD--SGN-CVPCNQCGPMELSLKECGFG	65	
Db	6	QQPTAFLLGLSLGVTVKLNC-----VKDTPVSGHKC--CRECQPGHGMVSRCD--D	52	
Qy	66	YGEDAQCVTCRLHRFKEDGMGQKPCLDCAVVRNFQ-KANCATSDAICGDCCLPGFYRK	124	
Db	53	HTRDVTVCHPCBFGFYNEAVNYDTCQCTQCNHRSGSELKQNTPTEDTVTC-QCRPGTQPR	111	
Qy	125	TKLVGFQDMCEVCPGDDPPPPYEP-----HCASKVNLV----KIATASSPRDATALAAVIC-	175	
Db	112	QDSHKLGVDCVPC--PPGHFSPGSNQACKPWTNCTLSGKQIRHPASNSLDT-----VCE	164	
Qy	176	--SALATVL	182	
Db	165	DRSLIATIL	173	

```

RESULT 11
US-08-795-447A-51
; Sequence 51, Application US/087955447A
; Patent No. 6284728
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
;

```

SOFTWARE: PatentIn Release #1.0, Version #1.30.

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/974,186

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Winter, Robert B.

REFERENCE/DOCKET NUMBER: A-378

INFORMATION FOR SEQ ID NO: 51:

SEQUENCE CHARACTERISTICS:

LENGTH: 205 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-794-186-51

Query Match 6.4%; Score 145; DB 4; Length 205;

Best Local Similarity 28.6%; Pred. No. 7.5e-06;

Matches 54; Conservative 23; Mismatches 76; Indels 36; Gaps 12;

QY 9 QKTFPTLLVLLGLYSCKVTCETGCRQOEPRDR--SGN-CVPCNOCGPGMELSKGCGFG 65

DB 6 QQPTAFLLGLSLGVTVKLNC-----VKDTYPSGHKC--CRECQPGHGMVSR--D 52

QY 66 YGEDAQCVTCRLHRFKEDMGFKCKPCLDCAVNRQ--KANCATSATSDAICGDCCLPGFYRK 124

DB 53 HTRDTVCHPCPEPGFYNEAVNYDTCKQCTQCNHRSGSELKQNCPTPTEDTVC-QCRPGTQPR 111

QY 125 TKLVGFQDMCEVPCGDPGPPPPYEP---HCASKVNLV---KIATASSPRDTALAAVIC- 175

DB 112 QDSSHKLGVDCVPC--PPGHFSPGSGNQACKPWTNCTLSGKQIRHPASNSLDT-----VCE 164

QY 176 --SALATVL 182

DB 165 DRSLLATLL 173

RESULT 13

US-08-795-446B-51

Sequence 51, Application US/08/95446B

Patent No. 6288032

GENERAL INFORMATION:

APPLICANT: Boyle, William J.

APPLICANT: Lacey, David L.

APPLICANT: Calzone, Frank J.

APPLICANT: Chang, Ming-Shi

TITLE OF INVENTION: OSTEOPROTEGERIN

NUMBER OF SEQUENCES: 53

CORRESPONDENCE ADDRESS:

ADDRESSEE: Angen Inc.

STREET: 1840 Delavilland Drive

CITY: Thousand Oaks

STATE: California

COUNTRY: USA

ZIP: 91320-1789

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/795,446B

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/577,788

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Winter, Robert B.

REFERENCE/DOCKET NUMBER: A-378

INFORMATION FOR SEQ ID NO: 51:

SEQUENCE CHARACTERISTICS:

LENGTH: 205 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-795-446B-51

Query Match 6.4%; Score 145; DB 4; Length 205;

Best Local Similarity 28.6%; Pred. No. 7.5e-06;

Matches 54; Conservative 23; Mismatches 76; Indels 36; Gaps 12;

QY 9 QKTFPTLLVLLGLYSCKVTCETGCRQOEPRDR--SGN-CVPCNOCGPGMELSKGCGFG 65

DB 6 QQPTAFLLGLSLGVTVKLNC-----VKDTYPSGHKC--CRECQPGHGMVSR--D 52

QY 66 YGEDAQCVTCRLHRFKEDMGFKCKPCLDCAVNRQ--KANCATSATSDAICGDCCLPGFYRK 124

DB 53 HTRDTVCHPCPEPGFYNEAVNYDTCKQCTQCNHRSGSELKQNCPTPTEDTVC-QCRPGTQPR 111

QY 125 TKLVGFQDMCEVPCGDPGPPPPYEP---HCASKVNLV---KIATASSPRDTALAAVIC- 175

DB 112 QDSSHKLGVDCVPC--PPGHFSPGSGNQACKPWTNCTLSGKQIRHPASNSLDT-----VCE 164

QY 176 --SALATVL 182

DB 165 DRSLLATLL 173

RESULT 14

US-08-706-945D-138

Sequence 138, Application US/08/706945D

Patent No. 6369027

GENERAL INFORMATION:

APPLICANT: Boyle, William

APPLICANT: Lacey, David

APPLICANT: Calzone, Frank

APPLICANT: Chang, Ming-Shi

TITLE OF INVENTION: Osteoprotegerin

FILE REFERENCE: A-378CJP

CURRENT APPLICATION NUMBER: US/08/706,945D

CURRENT FILING DATE: 1996-09-03

PRIOR APPLICATION NUMBER: 08/577,788

PRIOR FILING DATE: 1995-12-22

NUMBER OF SEQ ID NOS: 145

SOFTWARE: PatentIn version 3.1

SEQ ID NO 138

LENGTH: 205

TYPE: PRT

ORGANISM: Homo sapiens

US-08-706-945D-138

Query Match 6.4%; Score 145; DB 4; Length 205;

Best Local Similarity 28.6%; Pred. No. 7.5e-06;

Matches 54; Conservative 23; Mismatches 76; Indels 36; Gaps 12;

QY 9 QKTFPTLLVLLGLYSCKVTCETGCRQOEPRDR--SGN-CVPCNOCGPGMELSKGCGFG 65

DB 6 QQPTAFLLGLSLGVTVKLNC-----VKDTYPSGHKC--CRECQPGHGMVSR--D 52

QY 66 YGEDAQCVTCRLHRFKEDMGFKCKPCLDCAVNRQ--KANCATSATSDAICGDCCLPGFYRK 124

DB 53 HTRDTVCHPCPEPGFYNEAVNYDTCKQCTQCNHRSGSELKQNCPTPTEDTVC-QCRPGTQPR 111

QY 125 TKLVGFQDMCEVPCGDPGPPPPYEP---HCASKVNLV---KIATASSPRDTALAAVIC- 175

DB 112 QDSSHKLGVDCVPC--PPGHFSPGSGNQACKPWTNCTLSGKQIRHPASNSLDT-----VCE 164

QY 176 --SALATVL 182

DB 165 DRSLLATLL 173

RESULT 15
US-08-327-832-5
; Sequence 5, Application US/08327832
; Patent No. 5840832
; GENERAL INFORMATION:
; APPLICANT: Ono, Santa J.
; APPLICANT: Strominger, Jack L.
; TITLE OF INVENTION: Transcription Factor Regulating MHC
; TITLE OF INVENTION: Expression, cDNA and Genomic Clones Encoding Same and
; TITLE OF INVENTION: Retroviral Expression Constructs Thereof
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: District of Columbia
; COUNTRY: U.S.A.
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/327,832
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Posorske, Laurence H.
; REGISTRATION NUMBER: 34,698
; REFERENCE/DOCKET NUMBER: 1107.46362
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9153
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1104 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-327-832-5

Query Match 6.3%; Score 144; DB 2; Length 1104;
Best Local Similarity 18.8%; Pred. No. 9.9e-05;
Matches 110; Conservative 59; Mismatches 181; Indels 236; Gaps 27;
QY 24 SCKVTCETGDCRQBFDRSGNVCPCNQCPCGMELSKECG-----FGYGEDAQ----- 72
DB 440 SCNLLCHPG-----PCPPCPAEMTKTCEGTRHTVRCQAVSVHCNPN 484
QY 73 ---VTCRLHFPKEDWGFOKPCCLDCAVVNRQKANCATS-DAICGDCLPFYKTKLV 128
DB 485 ENILNGQHQAELCHGGQCPQ--IILN--QVCYCGSTSRDLVCGTDV-----GKSD 534
QY 129 GFQDMEC-----VPCGD-----PPEPHC--ASKVNLVKIATASS 164
DB 535 GFGDFSLCTCGKDLKCGNHTCSOVCHPQPCQCPPLPOLVRCCPGQTPFLSLLGLSS 594
QY 165 PRDTALAAV-----IC-SALATVLLALLILC-----VIYKQRFWEKK- 201
DB 595 SRKTCMDPVPCGKVGKPLPGSLDFINTCEKLCHEGDCGPVSRVTSVSCRCSFRTKEL 654
QY 202 PSWSLRSQDI-----QYNGSELSCLDLPPQ-----LH---EYA 230
DB 655 PCTSLKSEDATEWCDKRCNKKRLCGRHKCNIECCVDKEHKPLNCGRLKRLGHRCEPC 714
QY 231 HRACCO-CRRDSVQT-----CGPVRLLPSMCC-----EE 258
DB 715 HRGNCQTCWASFDELTCGGASVIYPPVPCGTRPPECTQTCAVHCECDHPVHSGHSE 774
QY 259 ACS-----PNPATLGGCVHSAASL----- 277

DB 775 KCPPTFLTKWCMGKHEFRSNIPCHLVDISCGLPCSATLPCGMHKKORLCHKGECLVDE 834
QY 278 -----QAR-----NAGPAGEWVPTFFGSLTQSI 300
DB 835 PKQPCPTTPRADCGHPCWAPCHTSSPCPVTTACKAKVELQCCGRKKEWVICSEASSTYQR 894
QY 301 CGEFSDAWPLMQNPMGGDNISFCDSYPBELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
DB 895 IAAISMASKITDMQLGGS-----VEISKLTITKKEVHQARLECECSALERKKR--LAEAF 948
QY 361 PVQSHSENFTATDLRYNNNTLVESASTQDALTWRSQDLDQESGAI 406
DB 949 HISEDSDPFNIRSSGSKFSDSLKEDA--RKDLKFVSDVEKEMETLV 992

Search completed: June 23, 2003, 02:51:51
Job time : 16.6107 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: June '23, 2003, 02:37:02 ; Search time 30.7179 Seconds
(without alignments)
1490.061 Million cell updates/sec

Title: US-09-380-276A-8
Perfect score: 2283
Sequence: 1 MALKVLLSQEKTFTLLVLL.....AIHPATQSLQVRRLGSL 423

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.*

- 1: /cgn2_6/prodata/2/pubpaa/US08_NEW_PUB.pep.*
- 2: /cgn2_6/prodata/2/pubpaa/US08_NEW_PUB.pep.*
- 3: /cgn2_6/prodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/prodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/prodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/prodata/2/pubpaa/US07_PUBCOMB.pep.*
- 7: /cgn2_6/prodata/2/pubpaa/US08_PUBCOMB.pep.*
- 8: /cgn2_6/prodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/prodata/2/pubpaa/US09_NEW_PUB.pep.*
- 10: /cgn2_6/prodata/2/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/prodata/2/pubpaa/US10_NEW_PUB.pep.*
- 12: /cgn2_6/prodata/2/pubpaa/US10_PUBCOMB.pep.*
- 13: /cgn2_6/prodata/2/pubpaa/US60_NEW_PUB.pep.*
- 14: /cgn2_6/prodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	2278	99.8	423	9	US-10-114-893-121
2	2278	99.8	423	10	US-09-780-532-4
3	2238	98.0	417	10	US-09-780-532-2
4	2237	98.0	417	9	US-10-174-590-474
5	2237	98.0	417	9	US-10-176-758-474
6	2237	98.0	417	9	US-10-175-737-474
7	2237	98.0	417	9	US-10-173-706-474
8	2237	98.0	417	9	US-10-175-738-474
9	2237	98.0	417	9	US-10-175-752-474
10	2237	98.0	417	9	US-10-176-482-474
11	2237	98.0	417	9	US-10-176-757-474
12	2237	98.0	417	9	US-10-176-913-474
13	2237	98.0	417	9	US-10-180-552-474
14	2237	98.0	417	9	US-10-180-557-474
15	2237	98.0	417	9	US-10-173-700-474
16	2237	98.0	417	9	US-10-174-572-474
17	2237	98.0	417	9	US-10-174-579-474
18	2237	98.0	417	9	US-10-174-582-474
19	2237	98.0	417	9	US-10-174-588-474

20	2237	98.0	417	9	US-10-175-739-474	Sequence 474, App
21	2237	98.0	417	9	US-10-175-740-474	Sequence 474, App
22	2237	98.0	417	9	US-10-175-743-474	Sequence 474, App
23	2237	98.0	417	9	US-10-176-488-474	Sequence 474, App
24	2237	98.0	417	9	US-10-176-492-474	Sequence 474, App
25	2237	98.0	417	9	US-10-176-747-474	Sequence 474, App
26	2237	98.0	417	9	US-10-176-750-474	Sequence 474, App
27	2237	98.0	417	9	US-10-176-985-474	Sequence 474, App
28	2237	98.0	417	9	US-10-176-987-474	Sequence 474, App
29	2237	98.0	417	9	US-10-176-991-474	Sequence 474, App
30	2237	98.0	417	9	US-10-176-992-474	Sequence 474, App
31	2237	98.0	417	9	US-10-176-993-474	Sequence 474, App
32	2237	98.0	417	9	US-10-184-658-474	Sequence 474, App
33	2237	98.0	417	9	US-10-227-884-220	Sequence 220, App
34	2237	98.0	417	9	US-10-173-695-474	Sequence 474, App
35	2237	98.0	417	9	US-10-173-697-474	Sequence 474, App
36	2237	98.0	417	9	US-10-173-705-474	Sequence 474, App
37	2237	98.0	417	9	US-10-174-576-474	Sequence 474, App
38	2237	98.0	417	9	US-10-174-585-474	Sequence 474, App
39	2237	98.0	417	9	US-10-174-586-474	Sequence 474, App
40	2237	98.0	417	9	US-10-175-747-474	Sequence 474, App
41	2237	98.0	417	9	US-10-176-481-474	Sequence 474, App
42	2237	98.0	417	9	US-10-176-485-474	Sequence 474, App
43	2237	98.0	417	9	US-10-176-487-474	Sequence 474, App
44	2237	98.0	417	9	US-10-176-493-474	Sequence 474, App
45	2237	98.0	417	9	US-10-176-756-474	Sequence 474, App

ALIGNMENTS

RESULT 1
US-10-114-893-121
; Sequence 121, Application US/10114893
; Publication No. US20020193567A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: LaVallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Bowman, Michael R.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Carlin-Duckett, McKeough
; APPLICANT: Kelleher, Kerry S.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6000-10A
; CURRENT APPLICATION NUMBER: US/10/114,893
; CURRENT FILING DATE: 2002-04-02
; EARLIER APPLICATION NUMBER: 09/413,232
; EARLIER FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 321
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 121
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-114-893-121

Query Match	99.8%;	Score 2278;	DB 9;	Length 423;
Best Local Similarity	99.8%;	Pred. No. 4.6e-178;		
Matches 422;	Conservative	0;	Mismatches 1;	Indels 0;
Gaps	0;			
QY	1	MALKVLLSQEKTFTLLVLLGYSCKVTCETGDCRQBFDRSGNCVPCNQCQPGMELSK	60	
Db	1	MALKVLLSQEKTFTLLVLLGYSCKVTCETGDCRQBFDRSGNCVPCNQCQPGMELSK	60	
QY	61	ECGFGYGDAOCVTCRLHRFKEDMGFOCKPCLDCAVNRFQKNCNCSATSDAICGDCPLG	120	
Db	61	ECGFGYGDAOCVTCRLHRFKEDMGFOCKPCLDCAVNRFQKNCNCSATSDAICGDCPLG	120	

QY 121 FYRKTCLVGFQDMCVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
DB 121 FYRKTCLVGFQDMCVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
QY 181 VLLALLILCVYCKRQFMKKPSWSLSQDIQNGSELSCLDRPQLHEVHAHACCOCRRD 240
DB 181 VLLALLILCVYCKRQFMKKPSWSLSQDIQNGSELSCLDRPQLHEVHAHACCOCRRD 240
QY 241 SVQTCGPVRLPSMCEECASPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLPSMCEECASPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
QY 301 CGEFSDAWPLMQNPMGDDNISFCDSYPPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDDNISFCDSYPPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
QY 361 PVQSHSENFTAATDLSRYNNTLVESASTQDALTMRSQDOESGAIHPATQTSLOVRRL 420
DB 361 PVQSHSENFTAATDLSRYNNTLVESASTQDALTMRSQDOESGAIHPATQTSLOVRRL 420
QY 421 GSL 423
DB 421 GSL 423
RESULT 2
US-09-780-532-4
; Sequence 4, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 4
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-780-532-4

Query Match 99.8%; Score 2278; DB 10; Length 423;
Best Local Similarity 99.8%; Pred. No. 4.6e-178;
Matches 422; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 MALKVLLLEQKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCVPCNQCQPGMELSK 60
DB 1 MALKVLLLEQKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCVPCNQCQPGMELSK 60
QY 61 ECGFGYGEDAQCCTRLHREFKEDWGFKCPCLDCAVNRFOKANCATSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCCTRLHREFKEDWGFKCPCLDCAVNRFOKANCATSDAICGDCPLG 120
QY 121 FYRKTCLVGFQDMCVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
DB 121 FYRKTCLVGFQDMCVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
QY 181 VLLALLILCVYCKRQFMKKPSWSLSQDIQNGSELSCLDRPQLHEVHAHACCOCRRD 240
DB 181 VLLALLILCVYCKRQFMKKPSWSLSQDIQNGSELSCLDRPQLHEVHAHACCOCRRD 240
QY 241 SVQTCGPVRLPSMCEECASPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLPSMCEECASPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

QY 301 CGEFSDAWPLMQNPMGDDNISFCDSYPPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDDNISFCDSYPPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
QY 361 PVQSHSENFTAATDLSRYNNTLVESASTQDALTMRSQDOESGAIHPATQTSLOVRRL 420
DB 361 PVQSHSENFTAATDLSRYNNTLVESASTQDALTMRSQDOESGAIHPATQTSLOVRRL 420
QY 421 GSL 423
DB 421 GSL 423
RESULT 3
US-09-780-532-2
; Sequence 2, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 2
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-780-532-2

Query Match 98.0%; Score 2238; DB 10; Length 417;
Best Local Similarity 99.5%; Pred. No. 8.3e-175;
Matches 413; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1 MALKVLLLEQKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCVPCNQCQPGMELSK 60
DB 1 MALKVLLLEQKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCVPCNQCQPGMELSK 60
QY 61 ECGFGYGEDAQCCTRLHREFKEDWGFKCPCLDCAVNRFOKANCATSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCCTRLHREFKEDWGFKCPCLDCAVNRFOKANCATSDAICGDCPLG 120
QY 121 FYRKTCLVGFQDMCVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
DB 121 FYRKTCLVGFQDMCVPCGDPDPPEPHCASKVNLVKIASTASSPRDTALAAVICSALAT 180
QY 181 VLLALLILCVYCKRQFMKKPSWSLSQDIQNGSELSCLDRPQLHEVHAHACCOCRRD 240
DB 181 VLLALLILCVYCKRQFMKKPSWSLSQDIQNGSELSCLDRPQLHEVHAHACCOCRRD 240
QY 241 SVQTCGPVRLPSMCEECASPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLPSMCEECASPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
QY 301 CGEFSDAWPLMQNPMGDDNISFCDSYPPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDDNISFCDSYPPELTGEDIHSLNPELESSTSLDSNSQDLVGGAV 360
QY 361 PVQSHSENFTAATDLSRYNNTLVESASTQDALTMRSQDOESGAIHPATQTSLO 415
DB 361 PVQSHSENFTAATDLSRYNNTLVESASTQDALTMRSQDOESGAIHPATQTSLO 415
RESULT 4
US-10-174-590-474

; Sequence 474, Application US/10174590
; Publication No. US20030008352A1

GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C42

; CURRENT APPLICATION NUMBER: US/10/174,590

; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 474

; LENGTH: 417

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-174-590-474

Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174; Indels 0; Gaps 0;
Matches 412; Conservative 2; Mismatches 1;

QY 1 MALKVLLLEQKTFFTLLVLLGYLSCKVTCETGCRQEQFRDRSGNCVPCNQCGPGMELSK 60

Db 1 MALKVLLLEQKTFFTLLVLLGYLSCKVTCESGDCRQEQFRDRSGNCVPCNQCGPGMELSK 60

QY 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNRFOKANCSDAICGDCPLG 120

Db 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNRFOKANCSDAICGDCPLG 120

QY 121 FYRKTGLVGFQDMCVCPGDPPEPHPCASKNLVKIATASSPRDTALAIVCSALAT 180

Db 121 FYRKTGLVGFQDMCVCPGDPPEPHPCASKNLVKIATASSPRDTALAIVCSALAT 180

QY 181 VLLALLILCVYCKQFMKKPSWLSRSDIQYNGSELSCLDRLPOLHEVAHRACCCQCRD 240

Db 181 VLLALLILCVYCKQFMKKPSWLSRSDIQYNGSELSCLDRLPOLHEVAHRACCCQCRD 240

QY 241 SVQTCGPVRLPSMCCCEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

Db 241 SVQTCGPVRLPSMCCCEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

QY 301 CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTLSDNSODLVGGAV 360

Db 301 CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTLSDNSODLVGGAV 360

QY 361 PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQLDQESGAVIHPATQTSIQ 415

Db 361 PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQLDQESGAVIHPATQTSIQ 415

RESULT 5

US-10-176-758-474

; Sequence 474, Application US/10176758
; Publication No. US20030008353A1

GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C104

; CURRENT APPLICATION NUMBER: US/10/176,758

; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 474

; LENGTH: 417

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-176-758-474

Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174; Indels 0; Gaps 0;
Matches 412; Conservative 2; Mismatches 1;

QY 1 MALKVLLLEQKTFFTLLVLLGYLSCKVTCETGCRQEQFRDRSGNCVPCNQCGPGMELSK 60

Db 1 MALKVLLLEQKTFFTLLVLLGYLSCKVTCESGDCRQEQFRDRSGNCVPCNQCGPGMELSK 60

QY 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNRFOKANCSDAICGDCPLG 120

Db 61 ECGFGYGEDAQCVTCRLHRFKEDWGFKCKPCLDCAVNRFOKANCSDAICGDCPLG 120

QY 121 FYRKTGLVGFQDMCVCPGDPPEPHPCASKNLVKIATASSPRDTALAIVCSALAT 180

Db 121 FYRKTGLVGFQDMCVCPGDPPEPHPCASKNLVKIATASSPRDTALAIVCSALAT 180

QY 181 VLLALLILCVYCKQFMKKPSWLSRSDIQYNGSELSCLDRLPOLHEVAHRACCCQCRD 240

Db 181 VLLALLILCVYCKQFMKKPSWLSRSDIQYNGSELSCLDRLPOLHEVAHRACCCQCRD 240

QY 241 SVQTCGPVRLPSMCCCEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

Db 241 SVQTCGPVRLPSMCCCEACSPNATLGCYVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

QY 301 CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTLSDNSODLVGGAV 360

Db 301 CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTLSDNSODLVGGAV 360

QY 361 PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQLDQESGAVIHPATQTSIQ 415

Db 361 PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQLDQESGAVIHPATQTSIQ 415

RESULT 6

US-10-175-737-474

; Sequence 474, Application US/10175737

; Publication No. US200300013153A1

GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C50

; CURRENT APPLICATION NUMBER: US/10/175,737

; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 474

```
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-737-474

Query Match          98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174;
Matches 412; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQEKTFFTLLVLLGLYSCKVTCESGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
DB 1 MALKVLLLEQEKTFFTLLVLLGLYSCKVTCESGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
QY 61 ECGFGYGEDAQCQVTCRLHRFKEDWGFQCKPCLDCAVNNRFQKANCSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCQVTCRLHRFKEDWGFQCKPCLDCAVNNRFQKANCSDAICGDCPLG 120
QY 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
DB 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
QY 181 VLLALLILCVIYCKRQFMEKKPSWLSRSQDIQYNGSELSCLDRLPOLHEYAHRAACCCRRD 240
DB 181 VLLALLILCVIYCKRQFMEKKPSWLSRSQDIQYNGSELSCLDRLPOLHEYAHRAACCCRRD 240
QY 241 SVQTCGPVRLLPSCMCEEACSPNATLGCQVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLLPSCMCEEACSPNATLGCQVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
QY 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
QY 361 PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQDOESGAIHPATQTSIQ 415
DB 361 PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQDOESGAIHPATQTSIQ 415

RESULT 8
US-10-175-738-474
; Sequence 474, Application US/10175738
; Publication No. US2003002294A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C45
; CURRENT APPLICATION NUMBER: US/10/175,738
; CURRENT FILING DATE: 2002-06-19
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-738-474

Query Match          98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174;
Matches 412; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQEKTFFTLLVLLGLYSCKVTCESGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
DB 1 MALKVLLLEQEKTFFTLLVLLGLYSCKVTCESGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
QY 61 ECGFGYGEDAQCQVTCRLHRFKEDWGFQCKPCLDCAVNNRFQKANCSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCQVTCRLHRFKEDWGFQCKPCLDCAVNNRFQKANCSDAICGDCPLG 120
QY 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
DB 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
QY 181 VLLALLILCVIYCKRQFMEKKPSWLSRSQDIQYNGSELSCLDRLPOLHEYAHRAACCCRRD 240
DB 181 VLLALLILCVIYCKRQFMEKKPSWLSRSQDIQYNGSELSCLDRLPOLHEYAHRAACCCRRD 240
QY 241 SVQTCGPVRLLPSCMCEEACSPNATLGCQVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLLPSCMCEEACSPNATLGCQVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
QY 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
QY 361 PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQDOESGAIHPATQTSIQ 415
DB 361 PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQDOESGAIHPATQTSIQ 415

RESULT 7
US-10-173-706-474
; Sequence 474, Application US/10173706
; Publication No. US2003002293A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C7
; CURRENT APPLICATION NUMBER: US/10/173,706
; CURRENT FILING DATE: 2002-06-17
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-706-474

Query Match          98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174;
Matches 412; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQEKTFFTLLVLLGLYSCKVTCESGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
DB 1 MALKVLLLEQEKTFFTLLVLLGLYSCKVTCESGDCRQOEFRDRSGNVCPCNQCQPGMELSK 60
QY 61 ECGFGYGEDAQCQVTCRLHRFKEDWGFQCKPCLDCAVNNRFQKANCSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCQVTCRLHRFKEDWGFQCKPCLDCAVNNRFQKANCSDAICGDCPLG 120
QY 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
DB 121 FYRKTGLVGFQDMECVPCGDPPEPHCASKVNLVKIATASSPRDTALAAVICSALAT 180
QY 181 VLLALLILCVIYCKRQFMEKKPSWLSRSQDIQYNGSELSCLDRLPOLHEYAHRAACCCRRD 240
DB 181 VLLALLILCVIYCKRQFMEKKPSWLSRSQDIQYNGSELSCLDRLPOLHEYAHRAACCCRRD 240
QY 241 SVQTCGPVRLLPSCMCEEACSPNATLGCQVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVQTCGPVRLLPSCMCEEACSPNATLGCQVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
QY 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
QY 361 PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQDOESGAIHPATQTSIQ 415
DB 361 PVQSHSENFTAATDLRYNNNTLVESASTQDALTMRSQDOESGAIHPATQTSIQ 415
```

Db 181 VLLALLILCVYKQFMEKPSWSLSQDIQYNGSELSCFDRPQLHEVAHRACQCRD 240
Qy 241 SVQTCGPVRLPSMCEECACSNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGPVRLPSMCEECACSNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMQNPMGDDNISFCDSYPBLTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
Db 301 CGEFSDAWPLMQNPMGDDNISFCDSYPBLTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
Qy 361 PVQSHSENFTATDLRYNNLTIVESASTQDALTMRSQDQESGAIHPATQTSLO 415
Db 361 PVQSHSENFTATDLRYNNLTIVESASTQDALTMRSQDQESGAIHPATQTSLO 415

RESULT 9

US-10-175-752-474
; Sequence 474, Application US/10175752
; Publication No. US20030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175,752
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-752-474

Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174; Indels 0; Gaps 0;
Matches 412; Conservative 2; Mismatches 1;
Qy 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQEQFDRSGNVCPCNQCQPGMWELSK 60
Db 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQEQFDRSGNVCPCNQCQPGMWELSK 60
Qy 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNRFOKANCATSDAICGDLPG 120
Db 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNRFOKANCATSDAICGDLPG 120
Qy 121 FYRKTKLVGFQDMQMEVCPCGDPPEPPYEPHCASKVNLVKIATASSPRDTALAIVICSAAT 180
Db 121 FYRKTKLVGFQDMQMEVCPCGDPPEPPYEPHCASKVNLVKIATASSPRDTALAIVICSAAT 180
Qy 181 VLLALLILCVYKQFMEKPSWSLSQDIQYNGSELSCLDRPQLHEVAHRACQCRD 240
Db 181 VLLALLILCVYKQFMEKPSWSLSQDIQYNGSELSCLDRPQLHEVAHRACQCRD 240
Qy 241 SVQTCGPVRLPSMCEECACSNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGPVRLPSMCEECACSNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMQNPMGDDNISFCDSYPBLTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
Db 301 CGEFSDAWPLMQNPMGDDNISFCDSYPBLTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360

Qy 361 PVQSHSENFTATDLRYNNLTIVESASTQDALTMRSQDQESGAIHPATQTSLO 415
Db 361 PVQSHSENFTATDLRYNNLTIVESASTQDALTMRSQDQESGAIHPATQTSLO 415

RESULT 10

US-10-176-482-474
; Sequence 474, Application US/10176482
; Publication No. US20030022296A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C70
; CURRENT APPLICATION NUMBER: US/10/176,482
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-482-474

Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174; Indels 0; Gaps 0;
Matches 412; Conservative 2; Mismatches 1;
Qy 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQEQFDRSGNVCPCNQCQPGMWELSK 60
Db 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQEQFDRSGNVCPCNQCQPGMWELSK 60
Qy 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNRFOKANCATSDAICGDLPG 120
Db 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNRFOKANCATSDAICGDLPG 120
Qy 121 FYRKTKLVGFQDMQMEVCPCGDPPEPPYEPHCASKVNLVKIATASSPRDTALAIVICSAAT 180
Db 121 FYRKTKLVGFQDMQMEVCPCGDPPEPPYEPHCASKVNLVKIATASSPRDTALAIVICSAAT 180
Qy 181 VLLALLILCVYKQFMEKPSWSLSQDIQYNGSELSCLDRPQLHEVAHRACQCRD 240
Db 181 VLLALLILCVYKQFMEKPSWSLSQDIQYNGSELSCLDRPQLHEVAHRACQCRD 240
Qy 241 SVQTCGPVRLPSMCEECACSNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Db 241 SVQTCGPVRLPSMCEECACSNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
Qy 301 CGEFSDAWPLMQNPMGDDNISFCDSYPBLTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
Db 301 CGEFSDAWPLMQNPMGDDNISFCDSYPBLTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
Qy 361 PVQSHSENFTATDLRYNNLTIVESASTQDALTMRSQDQESGAIHPATQTSLO 415
Db 361 PVQSHSENFTATDLRYNNLTIVESASTQDALTMRSQDQESGAIHPATQTSLO 415

RESULT 11

US-10-176-757-474
; Sequence 474, Application US/10176757
; Publication No. US20030022297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.

```
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,757
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-757-474
```

```
Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174;
Matches 412; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCNQCQPGMELSK 60
DB 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCNQCQPGMELSK 60

QY 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNVRFQKANCATSDAICGDLPG 120
DB 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNVRFQKANCATSDAICGDLPG 120

QY 121 FYRKTLYGFQDMECVPCGDPPEPYPHPCASKVNLVKIATASSPRDTALAIVICSALAT 180
DB 121 FYRKTLYGFQDMECVPCGDPPEPYPHPCASKVNLVKIATASSPRDTALAIVICSALAT 180

QY 181 VLLALLILCVYCKRFMEKPSWLSRSDIQYNGSELSCLDLPOLHEYAHRAACCCRRD 240
DB 181 VLLALLILCVYCKRFMEKPSWLSRSDIQYNGSELSCLDLPOLHEYAHRAACCCRRD 240

QY 241 SVOTCGPVRLLPSMCEEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVOTCGPVRLLPSMCEEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

QY 301 CGEFSDAWPLMQNPMGDDNISFCDSYPELTGEDIHSLNPELESSTLSDNSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDDNISFCDSYPELTGEDIHSLNPELESSTLSDNSQDLVGGAV 360

QY 361 PVQSHSENFTAATDLSRYNNTLVESASTQDALTMRSQLDQESGAIHPATQTSIQ 415
DB 361 PVQSHSENFTAATDLSRYNNTLVESASTQDALTMRSQLDQESGAIHPATQTSIQ 415
```

```
RESULT 12
US-10-176-913-474
; Sequence 474, Application US/10176913
; Publication No. US2003002298A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

```
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C66
; CURRENT APPLICATION NUMBER: US/10/176,913
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-913-474

Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174;
Matches 412; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCNQCQPGMELSK 60
DB 1 MALKVLLLEQEKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNVCNQCQPGMELSK 60

QY 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNVRFQKANCATSDAICGDLPG 120
DB 61 ECGFGYGEDAQCVTCRLHRFKEDWGFQCKPCLDCAVNVRFQKANCATSDAICGDLPG 120

QY 121 FYRKTLYGFQDMECVPCGDPPEPYPHPCASKVNLVKIATASSPRDTALAIVICSALAT 180
DB 121 FYRKTLYGFQDMECVPCGDPPEPYPHPCASKVNLVKIATASSPRDTALAIVICSALAT 180

QY 181 VLLALLILCVYCKRFMEKPSWLSRSDIQYNGSELSCLDLPOLHEYAHRAACCCRRD 240
DB 181 VLLALLILCVYCKRFMEKPSWLSRSDIQYNGSELSCLDLPOLHEYAHRAACCCRRD 240

QY 241 SVOTCGPVRLLPSMCEEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300
DB 241 SVOTCGPVRLLPSMCEEACSPNPATLGGCVHSAASLQARNAGPAGEMVPTFFGSLTQSI 300

QY 301 CGEFSDAWPLMQNPMGDDNISFCDSYPELTGEDIHSLNPELESSTLSDNSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGDDNISFCDSYPELTGEDIHSLNPELESSTLSDNSQDLVGGAV 360

QY 361 PVQSHSENFTAATDLSRYNNTLVESASTQDALTMRSQLDQESGAIHPATQTSIQ 415
DB 361 PVQSHSENFTAATDLSRYNNTLVESASTQDALTMRSQLDQESGAIHPATQTSIQ 415
```

```
RESULT 13
US-10-180-552-474
; Sequence 474, Application US/10180552
; Publication No. US20030022300A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C153
; CURRENT APPLICATION NUMBER: US/10/180,552
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-552-474
```

Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174;
Matches 412; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCPVNCQCGPMELSK 60
DB 1 MALKVLLLEQKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCPVNCQCGPMELSK 60

QY 61 ECGFGYGEDAQCVCRLHRFKEDWGFQCKPCCLDCAVNVRFQKANCSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCVCRLHRFKEDWGFQCKPCCLDCAVNVRFQKANCSDAICGDCPLG 120

QY 121 FYRKTGLVGFQDMECVPCGDDPPPPYEPHCASKVNLVKIATASSPRDTALAIVICSAAT 180
DB 121 FYRKTGLVGFQDMECVPCGDDPPPPYEPHCASKVNLVKIATASSPRDTALAIVICSAAT 180

QY 181 VLLALLILCVIYCKRQFMKPKSWLSRSQDIQYNGSELSCLDRLPOLHEVYAHRAACCCRRD 240
DB 181 VLLALLILCVIYCKRQFMKPKSWLSRSQDIQYNGSELSCLDRLPOLHEVYAHRAACCCRRD 240

QY 241 SVQTCGPVRLPSPMCCEACSPNPATLGCYVHSAASLOARNAGPAGEMVPTFFGSLTOSI 300
DB 241 SVQTCGPVRLPSPMCCEACSPNPATLGCYVHSAASLOARNAGPAGEMVPTFFGSLTOSI 300

QY 301 CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360

QY 361 PVQSHSENFTAATDLRYNNLTVESASTODALTMRSQLDQESGAVIHPATQTSLO 415
DB 361 PVQSHSENFTAATDLRYNNLTVESASTODALTMRSQLDQESGAVIHPATQTSLO 415

RESULT 14

US-10-180-557-474
; Sequence 474, Application US/10180557
; Publication No. US20030022301A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C147
; CURRENT APPLICATION NUMBER: US/10/180,557
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-557-474

Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174;
Matches 412; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCPVNCQCGPMELSK 60
DB 1 MALKVLLLEQKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCPVNCQCGPMELSK 60

QY 61 ECGFGYGEDAQCVCRLHRFKEDWGFQCKPCCLDCAVNVRFQKANCSDAICGDCPLG 120

DB 61 ECGFGYGEDAQCVCRLHRFKEDWGFQCKPCCLDCAVNVRFQKANCSDAICGDCPLG 120

QY 121 FYRKTGLVGFQDMECVPCGDDPPPPYEPHCASKVNLVKIATASSPRDTALAIVICSAAT 180
DB 121 FYRKTGLVGFQDMECVPCGDDPPPPYEPHCASKVNLVKIATASSPRDTALAIVICSAAT 180

QY 181 VLLALLILCVIYCKRQFMKPKSWLSRSQDIQYNGSELSCLDRLPOLHEVYAHRAACCCRRD 240
DB 181 VLLALLILCVIYCKRQFMKPKSWLSRSQDIQYNGSELSCLDRLPOLHEVYAHRAACCCRRD 240

QY 241 SVQTCGPVRLPSPMCCEACSPNPATLGCYVHSAASLOARNAGPAGEMVPTFFGSLTOSI 300
DB 241 SVQTCGPVRLPSPMCCEACSPNPATLGCYVHSAASLOARNAGPAGEMVPTFFGSLTOSI 300

QY 301 CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360
DB 301 CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV 360

QY 361 PVQSHSENFTAATDLRYNNLTVESASTODALTMRSQLDQESGAVIHPATQTSLO 415
DB 361 PVQSHSENFTAATDLRYNNLTVESASTODALTMRSQLDQESGAVIHPATQTSLO 415

RESULT 15

US-10-173-700-474
; Sequence 474, Application US/10173700
; Publication No. US20030027262A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C14
; CURRENT APPLICATION NUMBER: US/10/173,700
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 474
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-700-474

Query Match 98.0%; Score 2237; DB 9; Length 417;
Best Local Similarity 99.3%; Pred. No. 1e-174;
Matches 412; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MALKVLLLEQKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCPVNCQCGPMELSK 60
DB 1 MALKVLLLEQKTFFTLLVLLGYLSCKVTCTGDCRQOEFRDRSGNCPVNCQCGPMELSK 60

QY 61 ECGFGYGEDAQCVCRLHRFKEDWGFQCKPCCLDCAVNVRFQKANCSDAICGDCPLG 120
DB 61 ECGFGYGEDAQCVCRLHRFKEDWGFQCKPCCLDCAVNVRFQKANCSDAICGDCPLG 120

QY 121 FYRKTGLVGFQDMECVPCGDDPPPPYEPHCASKVNLVKIATASSPRDTALAIVICSAAT 180
DB 121 FYRKTGLVGFQDMECVPCGDDPPPPYEPHCASKVNLVKIATASSPRDTALAIVICSAAT 180

QY 181 VLLALLILCVIYCKRQFMKPKSWLSRSQDIQYNGSELSCLDRLPOLHEVYAHRAACCCRRD 240
DB 181 VLLALLILCVIYCKRQFMKPKSWLSRSQDIQYNGSELSCLDRLPOLHEVYAHRAACCCRRD 240

QY 241 SVQTCGPVRLPSPMCCEACSPNPATLGCYVHSAASLOARNAGPAGEMVPTFFGSLTOSI 300

Db	241	SVQTCGVRLLEPSMCCCEACSPNPATLGGVHSAASLQARNAGPAGEMVPTFFGSLTQSI	300
Qy	301	CGEFSDAWPLMQNPMGDDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV	360
Db	301	CGEFSDAWPLMQNPMGDDNISFCDSYPELTGEDIHSLNPELESSTSLDSNSSQDLVGGAV	360
Qy	361	PVQSHSENFTAATDLSRYNNTLVESASTQDALTMRSQLDOESGAIHPATQTSLQ	415
Db	361	PVQSHSENFTAATDLSRYNNTLVESASTQDALTMRSQLDOESGAVIHPATQTSLQ	415

Search completed: June 23, 2003, 03:02:59
Job time : 32.7179 secs